CD3 Monoclonal Antibody (17A2), FITC,
eBioscience™

Catalog Number 11-0032-82

Product data sheet

Details

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>100 µg</td>
</tr>
<tr>
<td>Host/Isotope</td>
<td>Rat / lgG2b, kappa</td>
</tr>
<tr>
<td>Class</td>
<td>Monoclonal</td>
</tr>
<tr>
<td>Type</td>
<td>Antibody</td>
</tr>
<tr>
<td>Clone</td>
<td>17A2</td>
</tr>
<tr>
<td>Conjugate</td>
<td>FITC</td>
</tr>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Concentration</td>
<td>0.5 mg/mL</td>
</tr>
<tr>
<td>Purification</td>
<td>Affinity chromatography</td>
</tr>
<tr>
<td>Storage buffer</td>
<td>PBS, pH 7.2, with 0.1% gelatin</td>
</tr>
<tr>
<td>Contains</td>
<td>0.09% sodium azide</td>
</tr>
<tr>
<td>Storage Conditions</td>
<td>4°C, store in dark, DO NOT FREEZE!</td>
</tr>
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</table>

Species Reactivity

<table>
<thead>
<tr>
<th>Species reactsivity</th>
<th>Published species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mouse</td>
<td>Fungi, Rat, Bacteria, Fish, Mouse, Not Applicable</td>
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</table>

Tested Applications

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<tr>
<th>Application</th>
<th>Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry (Flow)</td>
<td>0.25 µg/test</td>
</tr>
<tr>
<td>Immunohistochemistry (Frozen) (IHC (F))</td>
<td>10 µg/mL</td>
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Description: The 17A2 monoclonal antibody reacts with the mouse CD3 complex. CD3 subunits gamma, delta and epsilon are required for proper assembly, trafficking and surface expression of the TCR complex. CD3 is expressed by thymocytes in a developmentally regulated manner and by all mature T cells. Binding of 17A2 to CD3 initiates the intracellular biochemical pathway resulting in cellular activation and proliferation. Applications Reported: This 17A2 antibody has been reported for use in flow cytometric analysis. Applications Tested: This 17A2 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. This 17A2 antibody has been tested by immunohistochemistry on frozen mouse spleen and can be used at less than or equal to 10 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest. Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser. Filtration: 0.2 µm post-manufacturing filtered.

Background/Target Information

The CD3 subunit complex which is crucial in transducing antigen-recognition signals into the cytoplasm of T cells and in regulating the cell surface expression of the TCR complex. T cell activation through the antigen receptor (TCR) involves the cytoplasmic tails of the CD3 subunits CD3 gamma, CD3 delta, CD3 epsilon and CD3 zeta. These CD3 subunits are structurally related members of the immunoglobulins super family encoded by closely linked genes on human chromosome 11. The CD3 components have long cytoplasmic tails that associate with cytoplasmic signal transduction molecules and this association is mediated at least in part by a double tyrosine-based motif present in a single copy in the CD3 subunits. CD3 may play a role in TCR-induced growth arrest, cell survival and proliferation. The CD3 antigen is present on 68-82% of normal peripheral blood lymphocytes, 65-85% of thymocytes and Purkinje cells in the cerebellum. It is never expressed on B or NK cells. Decreased percentages of T lymphocytes may be observed in some autoimmune diseases. The genes encoding the CD3 epsilon, gamma and delta polypeptides are located on chromosome 11. Defects in the CD3 gene are associated with CD3 immunodeficiency.


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CD3 Antibody (11-0032-82) in Flow

Staining of C57Bl/6 splenocytes with Anti-Human/Mouse CD45R (B220) PE (Product # 12-0452-82) and 0.125 µg of Rat IgG2b K Isotype Control FITC (Product # 11-4031-82) (left) or 0.125 µg of Anti-Mouse CD3 FITC (right). Total viable cells were used for analysis.

CD3 Antibody (11-0032-82) in IHC (F)

Immunohistochemistry of frozen mouse spleen stained with 10 µg/ml Anti-Mouse CD3 FITC and costained with 10 µg/mL Anti-Human/Mouse CD45R (B220) eFluor® 660. Nuclei are stained with DAPI.
<table>
<thead>
<tr>
<th>Species / Dilution</th>
<th>Summary</th>
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<tbody>
<tr>
<td>Mouse / Not Cited</td>
<td>11-0032 was used in Flow cytometry/Cell sorting to investigate disruption of immune silencing by proteinase 3 on apoptotic cells.</td>
</tr>
<tr>
<td>Mouse / Not Cited</td>
<td>11-0032 was used in Flow cytometry/Cell sorting to show the immunogenicity and protective efficacy of the DMT liposome-adjuvanted tuberculosis subunit CTT3H vaccine.</td>
</tr>
<tr>
<td>Mouse / Not Cited</td>
<td>11-0032 was used in Flow cytometry/Cell sorting to investigate protein subunit vaccinations for control of tuberculosis, showing that a new multistage subunit vaccine increases numbers of T cells and protects against TB.</td>
</tr>
<tr>
<td>Mouse / Not Cited</td>
<td>PLoS one (Mar 2016; 10: null) &quot;Protection against Mycobacterium tuberculosis infection offered by a new multistage subunit vaccine correlates with increased number of IFN+ IL-2+ CD4+ and IFN+ CD8+ T cells.&quot; Author(s): Wang X, Zhang J, Liang J, Zhang Y, Teng X, Yuan X, Fan X Published Article URL:<a href="http://dx.doi.org/10.1371/journal.pone.0122560">http://dx.doi.org/10.1371/journal.pone.0122560</a></td>
</tr>
<tr>
<td>Mouse / Not Cited</td>
<td>11-0032 was used in Flow cytometry/Cell sorting to study the role of type 2 innate lymphoid cells in enhancing anti-cancer immunity and controlling metastasis.</td>
</tr>
<tr>
<td>Mouse / Not Cited</td>
<td>Scientific reports (Feb 2018; 8: null) &quot;Type 2 Innate Lymphocytes Actuate Immunity Against Tumours and Limit Cancer Metastasis.&quot; Author(s): Saranchova I, Han J, Zaman R, Arora H, Huang H, Fenninger F, Choi KB, Munro L, Pfeifer CG, Welch I, Takei F, Jefferies WA Published Article URL:<a href="http://dx.doi.org/10.1038/s41598-018-20608-6">http://dx.doi.org/10.1038/s41598-018-20608-6</a></td>
</tr>
<tr>
<td>Mouse / Not Cited</td>
<td>NPJ vaccines (Oct 2020; 3: null) &quot;Targeting of the &lt;i&gt;Yersinia pestis&lt;/i&gt; F1 capsular antigen by innate-like B1b cells mediates a rapid protective response against bubonic plague.&quot; Author(s): Levy Y, Vagima Y, Tidhar A, Aftalion M, Gur D, Nili U, Chitlaru T, Zauberman A, Mamroud E Published Article URL:<a href="http://dx.doi.org/10.1038/s41541-018-0087-z">http://dx.doi.org/10.1038/s41541-018-0087-z</a></td>
</tr>
<tr>
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<td>11-0032 was used in Flow cytometry/Cell sorting to detect if lymphocytes, particularly natural killer cells, play a role in Interleukin-15 mediated weight loss.</td>
</tr>
<tr>
<td>Mouse / Not Cited</td>
<td>PLoS one (Nov 2012; 7: null) &quot;Interleukin-15 treatment induces weight loss independent of lymphocytes.&quot; Author(s): Barra NG, Chew MV, Reid S, Ashkar AA Published Article URL:<a href="http://dx.doi.org/10.1371/journal.pone.0039553">http://dx.doi.org/10.1371/journal.pone.0039553</a></td>
</tr>
<tr>
<td>Mouse / Not Cited</td>
<td>11-0032 was used in Flow cytometry/Cell sorting to detect that treatment of adult mice with antibiotics decreases hippocampal neurogenesis and memory retention.</td>
</tr>
</tbody>
</table>
11-0032 was used in Flow cytometry/Cell sorting to reveal a striking resilience of white adipose tissue after a short-term metabolic injury induced by t10,c12-CLA, which relies on alternatively activated M2 macrophage engagement.

Mouse / Not Cited

FASEB journal : official publication of the Federation of American Societies for Experimental Biology (Jan 2016; 30: 241) "Adipose tissue adaptive response to trans-10,cis-12-conjugated linoleic acid engages alternatively activated M2 macrophages."
Author(s): Pini M, Touch S, Poirier H, Dalmas E, Niot I, Rouault C, Druart C, Delzenne N, Clément K, André S, Guerre-Millo M
PubMed Article URL: http://dx.doi.org/10.1096/fj.15-276675

11-0032 was used in Flow cytometry/Cell sorting to investigate the physiological function of PEA-15, showing that it negatively regulates T-cell receptor signaling.

Mouse / Not Cited

PubMed Article URL: http://dx.doi.org/10.1096/fj.10-144295

11-0032 was used in Flow cytometry/Cell sorting to demonstrate that NLG919/IR780 micelles combine PTT, immunotherapy, suppress the tumour margin and distal tumour growth post photothermal therapy.

Mouse / Not Cited

Oncology letters (Mar 2017; 13: 1847) "A polysaccharide component from <i>Strongylocentrotus nudus</i> eggs inhibited hepatocellular carcinoma in mice by activating T lymphocytes."
PubMed Article URL: http://dx.doi.org/10.3892/ol.2017.5624

11-0032 was used in Flow cytometry/Cell sorting to investigate whether the dissolving microneedles can be utilised as a self-administered painless replacement for acupuncture and locally released drug molecules can achieve expected therapeutic outcomes.

Bacteria / Not Cited

Journal of virology (Jul 2010; 84: 7105) "Attenuated Bordetella pertussis protects against highly pathogenic influenza A viruses by dampening the cytokine storm."
Author(s): Li R, Lim A, Phoon MC, Narasaraju T, Ng JK, Poh WP, Sim MK, Chow VT, Locht C, Alonso S
PubMed Article URL: http://dx.doi.org/10.1128/JVI.02542-09

11-0032 was used in Flow cytometry/Cell sorting to indicate that protection against influenza virus-induced severe pneumonitis can be achieved through attenuation of exaggerated cytokine-mediated inflammation.


11-0032 was used in Flow cytometry/Cell sorting to describe the function of the plant homeodomain finger 6 protein in leukemia and its role in regulating chromatin accessibility to lineage-specific transcription factors.

Rat / Not Cited

"Synergistic immunoresponse of acupuncture-like dissolving microneedles containing thymopentin at acupoints in immune-suppressed rats."

"Attenuated Bordetella pertussis protects against highly pathogenic influenza A viruses by dampening the cytokine storm."
Author(s): Li R, Lim A, Phoon MC, Narasaraju T, Ng JK, Poh WP, Sim MK, Chow VT, Locht C, Alonso S
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11-0032 was used in Flow cytometry/Cell sorting to investigate whether the dissolving microneedles can be utilised as a self-administered painless replacement for acupuncture and locally released drug molecules can achieve expected therapeutic outcomes.

Genes & development (May 2017; 31: 973) "PHF6 regulates phenotypic plasticity through chromatin organization within lineage-specific genes."
PubMed Article URL: http://dx.doi.org/10.1101/gad.295857.117

11-0032 was used in Flow cytometry/Cell sorting to evaluate the therapeutic effects of adipose tissue-derived stem cells on fulminant hepatic failure.

"Synergistic immunoresponse of acupuncture-like dissolving microneedles containing thymopentin at acupoints in immune-suppressed rats."

11-0032 was used in Flow cytometry/Cell sorting to investigate whether the dissolving microneedles can be utilised as a self-administered painless replacement for acupuncture and locally released drug molecules can achieve expected therapeutic outcomes.

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PubMed Article URL: http://dx.doi.org/10.1128/JVI.02542-09

"Synergistic immunoreaction of acupuncture-like dissolving microneedles containing thymopentin at acupoints in immune-suppressed rats."
Experimental and therapeutic medicine (Nov 2020; 20: null)

"Effects of CD4<sup>-</sup>susp-><sup>-</sup>T lymphocytes from ovariotomized mice on bone marrow mesenchymal stem cell proliferation and osteogenic differentiation."

Author(s): Shao BY, Wang L, Yu Y, Chen L, Gan N, Huang WM

PubMed Article URL: http://dx.doi.org/10.3892/etm.2020.9212

Cell death & disease (Mar 2018; 9: null)

"Group 2 innate lymphoid cells protect lung endothelial cells from pyroptosis in sepsis."


PubMed Article URL: http://dx.doi.org/10.1038/s41419-018-0412-5

Investigative ophthalmology & visual science (Jan 2019; 60: 430)

"Bilateral Effect of the Unilateral Corneal Nerve Cut on Both Ocular Surface and Lacrimal Gland."

Author(s): Lee HK, Kim KW, Ryu JS, Jeong HJ, Lee SM, Kim MK

PubMed Article URL: http://dx.doi.org/10.1167/iovs.18-26051


"Genetic deletion of SEPT7 reveals a cell type-specific role of septins in microtubule destabilization for the completion of cytokinesis."


PubMed Article URL: http://dx.doi.org/10.1371/journal.pgen.1004558

Blood advances (Mar 2018; 2: 669)

"Murine CMV induces type 1 IFN that impairs differentiation of MDSCs critical for transplantation tolerance."

Author(s): Dangi A, Zhang L, Zhang X, Luo X

PubMed Article URL: http://dx.doi.org/10.1182/bloodadvances.2017012187

Molecular medicine reports (May 2016; 13: 4183)

"Genomic and immunologic factors associated with viral pathogenesis in a lethal EV71 infected neonatal mouse model."


PubMed Article URL: http://dx.doi.org/10.3892/mmr.2016.5080
11-0032 was used in Flow cytometry/Cell sorting to identify B cells and antigen specific IgG1 as potential therapeutic targets for pulmonary hypertension.

**Mouse / Not Cited**

**PloS one (Apr 2016; 10: null)**

"The Effects of Antigen-Specific IgG1 Antibody for the Pulmonary-Hypertension-Phenotype and B Cells for Inflammation in Mice Exposed to Antigen and Fine Particles from Air Pollution."

Author(s): Park SH, Chen WC, Durmus N, Bleck B, Reibman J, Riemekasten G, Grunig G

PubMed Article URL: http://dx.doi.org/10.1371/journal.pone.0129910

11-0032 was used in Flow cytometry/Cell sorting to establish TAP inhibitor-armed OVs that evade CD8(+) T-cells as an immunotherapy strategy to elicit potent anti-tumour responses.

**Mouse / Not Cited**

**EBioMedicine (Mar 2016; 5: 59)**

"CD8(+) T-cell Immune Evasion Enables Oncolytic Virus Immunotherapy."

Author(s): Poupchert A, Fuhrmann SR, Pilones KA, Demaria S, Frey AB, Mulvey M, Mohr I

PubMed Article URL: http://dx.doi.org/10.1016/j.ebiom.2016.01.022

11-0032 was used in Flow cytometry/Cell sorting to show amorphous silicon dioxide nanoparticles have an immunomodulatory effect in a model of allergic contact dermatitis.

**Mouse / 1:200**

**Scientific reports (Mar 2019; 9: null)**

"Amorphous silicon dioxide nanoparticles modulate immune responses in a model of allergic contact dermatitis."

Author(s): Palmer BC, Jatana S, Phelan-Dickinson SJ, DeLourie LA

PubMed Article URL: http://dx.doi.org/10.1038/s41598-019-41493-7

11-0032 was used in Flow cytometry/Cell sorting to explore a variety of IL-2 constructs expressed by a tumour-selective oncolytic vaccinia virus, designed to maintain IL-2 in the tumour microenvironment to reduce systemic toxicity.

**Mouse / 1:300**

**Immunology (Jun 2017; 151: 154)**

"The NLRP3 inflammasome contributes to host protection during Sporothrix schenckii infection."

Author(s): Goncalves AC, Ferreira LS, Manente FA, de Faria CMQG, Polesi MC, de Andrade CR, Zamboni DS, Carlos IZ

PubMed Article URL: http://dx.doi.org/10.1111/imm.12719

11-0032 was used in Flow cytometry/Cell sorting to investigate bacterial consortium transplantation as a treatment for IBD, showing an upregulation of intestinal barrier function associated with expansion of IL-17A producing gamma delta T cells.

**Mouse / Not Cited**

**Nature communications (Nov 2018; 9: null)**

"Modifying the cancer-immune set point using vaccinia virus expressing re-designed interleukin-2."


PubMed Article URL: http://dx.doi.org/10.1038/s41467-018-06954-z

11-0032 was used in Flow cytometry/Cell sorting to investigate bacterial consortium transplantation as a treatment for IBD.

**Mouse / Not Cited**

**Frontiers in immunology (Nov 2019; 8: null)**

"Upregulation of Intestinal Barrier Function in Mice with DSS-Induced Colitis by a Defined Bacterial Consortium Is Associated with Expansion of IL-17A Producing Gamma Delta T Cells."


PubMed Article URL: http://dx.doi.org/10.3389/fimmu.2017.00824

11-0032 was used in Flow cytometry/Cell sorting to investigate bacterial consortium transplantation as a treatment for IBD, showing an upregulation of intestinal barrier function associated with expansion of IL-17A producing gamma delta T cells.

**Mouse / Not Cited**

**JACC. Basic to translational science (Apr 2018; 3: 230)**

"CCR2-supp+/- Monocyte-Derived Infiltrating Macrophages Are Required for Adverse Cardiac Remodeling During Pressure Overload."

Author(s): Patel B, Bansal SS, Ismail MA, Hamid T, Kogosh G, Mack M, Prabhu SD


11-0032 was used in Flow cytometry/Cell sorting to determine the involvement of RIPK3 and RIPK3-5AMG-Drp1/NFAT signalling in NKT cell-mediated immune responses.

**Mouse / Not Cited**

**Nature communications (Sep 2015; 6: null)**

"Regulation of NKT cell-mediated immune responses to tumours and liver inflammation by mitochondrial PGAM5-Drp1 signalling."

Author(s): Kang YJ, Bang BR, Han KH, Hong L, Shim EJ, Ma J, Lerner RA, Otsuka M

PubMed Article URL: http://dx.doi.org/10.1038/ncomms9371

11-0032 was used in Flow cytometry/Cell sorting to show that the adjuvant MTOM causes strong expansion of IL-2(+) T cells and Th1-type response in combination with WH121.

**Mouse / Not Cited**

**Frontiers in immunology (Nov 2019; 8: null)**

"A New Adjuvant MTOM Mediates <i>in vivo</i> Subunit Vaccine to Enhance Th1-Type T Cell Immune Responses and IL-2<sup>+</sup> T Cells."

Author(s): Yu Q, Wang X, Fan X

PubMed Article URL: http://dx.doi.org/10.3389/fimmu.2017.00585

11-0032 was used in Flow cytometry/Cell sorting to establish in situ anticancer immunotherapy regimens.

Mouse / 1/300
Molecular therapy oncolytics (Jun 2020; 17: 350)
"<i>In Situ</i> Therapeutic Cancer Vaccination with an Oncolytic Virus Expressing Membrane-Tethered IL-2."
Author(s): Liu W,Dai E,Liu Z,Ma C,Guo ZS,Bartlett DL
PubMed Article URL:http://dx.doi.org/10.1016/j.omto.2020.04.006

Mouse / 1/200
Molecular medicine reports (May 2018; 17: 6852)
"High fish oil diet promotes liver inflammation and activates the complement system."
Author(s): Jin H,Yan C,Xiao T,Yan N,Xu J,Zhou L,Zhou X,Shao Q,Xia S
PubMed Article URL:http://dx.doi.org/10.3892/mmr.2018.8687

Mouse / Not Cited
Journal of immunology (Baltimore, Md. : 1950) (Jun 2016; 196: 4622)
"Dual Function of Ccr5 during Langat Virus Encephalitis: Reduction in Neutrophil-Mediated Central Nervous System Inflammation and Increase in T Cell-Mediated Viral Clearance."
Author(s): Michlmayr D,Bardina SV,Rodriguez CA,Pletnev AG,Lim JK
PubMed Article URL:http://dx.doi.org/10.4049/jimmunol.1502452

11-0032 was used in Flow cytometry/Cell sorting to study how Ccr5 is crucial in directing T cells toward the LGTV-infected brain, as well as in suppressing neutrophil-mediated inflammation within the CNS.

Mouse / Not Cited
The Journal of experimental medicine (Jul 2003; 198: 173)
"Cross-presentation of disialoganglioside GD3 to natural killer T cells."
Author(s): Wu DY,Segal NH,Sidobre S,Kronenberg M,Chapman PB
PubMed Article URL:http://dx.doi.org/10.1084/jem.20030446

11-0032 was used in Flow cytometry/Cell sorting to demonstrate that immunising mice with the SK-MEL-28 cell line or with syngeneic APCs loaded with GD3 can induce a GD3-reactive natural killer T cell response.

Mouse / Not Cited
PloS one (Jul 2013; 8: null)
"Modification of hemodynamic and immune responses to exposure with a weak antigen by the expression of a hypomorphic BMPR2 gene."
Author(s): Park SH,Chen WC,Hoffman C,Marsh LM,West J,Grunig G
PubMed Article URL:http://dx.doi.org/10.1371/journal.pone.0055180

11-0032 was used in Flow cytometry/Cell sorting to test the idea that Th2 responses to a mild antigen, together with the expression of a hypomorphic BMPR2 gene, would trigger pulmonary hypertension.

Mouse / Not Cited
JCI insight (Apr 2018; 3: null)
"Pancreatic cancer therapy with combined mesothelin-directed chimeric antigen receptor T cell therapy with an oncolytic adenovirus expressing TNF- and IL-2 would improve anti-tumour efficacy.

PubMed Article URL:http://dx.doi.org/10.1172/jci.insight.99573

11-0032 was used in Flow cytometry/Cell sorting to study how Ccr5 is crucial in directing T cells toward the LGTV-infected brain, as well as in suppressing neutrophil-mediated inflammation within the CNS.

Mouse / Not Cited
PloS one (Jun 2017; 10: null)
"Natural killer cells promote long-term hepatobiliary inflammation in a low-dose rotavirus model of experimental biliary atresia."
Author(s): Squires JE,Shivakumar P,Mourya R,Bessho K,Walters S,Bezerra JA
PubMed Article URL:http://dx.doi.org/10.1371/journal.pone.0127191

11-0032 was used in Flow cytometry/Cell sorting to investigate mechanisms of liver injury in a mouse model of Rhesus rotavirus-induced biliary atresia.

Mouse / Not Cited
Journal of virology (May 2017; 91: null)
"Chemokine Receptor Ccr7 Restricts Fatal West Nile Virus Encephalitis."
Author(s): Bardina SV,Brown JA,Michlmayr D,Hoffman KW,Sum J,Pletnev AG,Lira SA,Lim JK
PubMed Article URL:http://dx.doi.org/10.1128/JVI.02409-16

11-0032 was used in Flow cytometry/Cell sorting to point to Ccr7 as a critical host defense restriction factor limiting neuroinflammation during acute viral infection.

Mouse / Not Cited
Journal of virology (Aug 2016; 197: 934)
"Diacylglycerol Kinase Is a Target To Enhance NK Cell Function."
Author(s): Yang E,Singh BK,Paustian AM,Kambayashi T
PubMed Article URL:http://dx.doi.org/10.4049/jimmunol.1600581

11-0032 was used in Flow cytometry/Cell sorting to investigate methods to enhance NK cell function, showing that diacylglycerol kinase is a target for enhancement of NK function.
11-0032 was used in Flow cytometry/Cell sorting to investigate the reduced immunosuppressive properties of axitinib in comparison with other tyrosine kinase inhibitors.


11-0032 was used in Flow cytometry/Cell sorting to show that cells latently-infected by HIV exhibit both "kick" and "kill" strategies upon virus reactivation with a bryostatin 1 analogue.


11-0032 was used in Flow cytometry/Cell sorting to identify a correlation between the loss/down-regulation of IFNAR1 on DCs and exacerbation of colitis.


11-0032 was used in Flow cytometry/Cell sorting to investigate the role of CD8(+)CD122(+) regulatory T cells (Tregs) in maintenance of immune homeostasis, showing that CD8(+)CD122(+) Tregs and CD4+ Tregs cooperatively prevent and cure CD4+ cell-induced colitis.

Journal of immunology (Baltimore, Md. : 1950) (Jan 2011; 186: 41) "CD8+CD122+ regulatory T cells (Tregs) and CD4+ Tregs cooperatively prevent and cure CD4+ cell-induced colitis." Author(s): Endharti AT, Okuno Y, Shi Z, Misawa N, Toyokuni S, Ito M, Isobe K, Suzuki H PubMed Article URL: http://dx.doi.org/10.4049/jimmunol.1000800