

Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Biotin, eBioscience™

Product Details	
Size	500 µg
Published Species	Human
Host/Isotope	Mouse / IgG1, kappa
Class	Control
Type	Isotype Control
Clone	P3.6.2.8.1
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_470089

Applications	Tested Dilution	Publications
Control (Ctrl)	Assay-Dependent	-
Flow Cytometry (Flow)	Assay-Dependent	2 Publications
Immunocytochemistry (ICC)	Assay-Dependent	-
Immunofluorescence (IF)	Assay-Dependent	1 Publication
Immunohistochemistry (IHC)	Assay-Dependent	1 Publication
Functional Assay (FN)	-	1 Publication

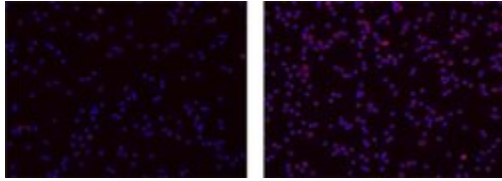
Product Specific Information

Description: The monoclonal mouse IgG1 K immunoglobulin is useful as an isotype control.

Applications Reported: Biotin Mouse IgG1 K Isotype Control has been reported for use in immunocytochemistry, immunohistochemistry, and flow cytometric analysis.

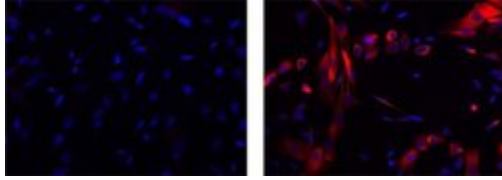
Applications Tested: This Mouse IgG1 Isotype Control has been tested by flow cytometric analysis of human peripheral leukocytes. It should be used at the same concentration as the experimental antibody.

Filtration: 0.2 µm post-manufacturing filtered.



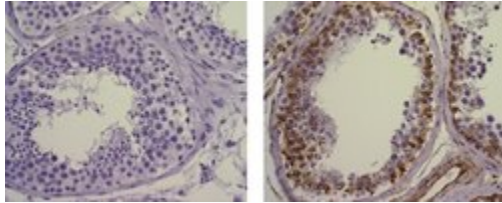
Mouse IgG1 kappa Isotype Control (13-4714-85) in ICC

Immunocytochemistry of fixed and permeabilized human PBMC (stimulated with LPS and monensin for 5 hours) stained with 20 µg/mL of Mouse IgG1 K Isotype Control Biotin (left) or 20 µg/mL of Anti-Human IL-37 (IL-1F7) Biotin. Cells were then stained with Streptavidin eFluor® 570 followed by cytoSpin. Nuclei are stained with DAPI.



Mouse IgG1 kappa Isotype Control (13-4714-85) in ICC

Immunofluorescent analysis of MeOH-fixed SK-N-SH cells using 5 µg/mL of Mouse IgG1 K Isotype Control Biotin (left) or 5 µg/mL of Anti-APP (Amyloid Precursor Protein) Biotin (right) followed by Streptavidin eFluor® 570. Nuclei are stained with DAPI.



Mouse IgG1 kappa Isotype Control (13-4714-85) in IHC (P)

Immunohistochemistry of formalin-fixed paraffin embedded human testes tissue using 20 µg/mL of Mouse IgG1 K Isotype Control Biotin (Product # 13-4714-85) (left) or 20 µg/mL of Anti-Human Cyclin E Biotin (right) followed by Streptavidin HRP and DAB visualization. Nuclei are counterstained with hematoxylin.

[View more figures on thermofisher.com](http://thermofisher.com)

Flow Cytometry (2)

Cancer discovery

GM-CSF Mediates Mesenchymal-Epithelial Cross-talk in Pancreatic Cancer.

"13-4714 was used in Flow cytometry/Cell sorting to identify and characterise a population of mesenchymal stem cells within the tumour microenvironment that promote pancreatic ductal adenocarcinoma survival and metastasis through GM-CSF signalling."

Authors: Waghray M, Yalamanchili M, Dziubinski M, Zeinali M, Erkinen M, Yang H, Schradle KA, Urs S, Pasca Di Magliano M, Welling TH, Palmboos PL, Abel EV, Sahai V, Nagrath S, Wang L, Simeone DM

Species
Human

Dilution
1:50

Year
2016

Oncoimmunology

Improved efficacy of mitoxantrone in patients with castration-resistant prostate cancer after vaccination with GM-CSF-transduced allogeneic prostate cancer cells.

"13-4714 was used in Flow cytometry/Cell sorting to evaluate the efficacy of chemotherapy in castration-resistant prostate cancer patients, following immunotherapy."

Authors: van Dodewaard-de Jong JM, Santegoets SJ, van de Ven PM, Versluis J, Verheul HM, de Gruij TD, Gerritsen WR, van den Eertwegh AJ

Species
Not Applicable

Dilution
Not Cited

Year
2016

Functional Assay (1)

Scientific reports

Contrast-enhanced optical coherence tomography with picomolar sensitivity for functional in vivo imaging.

"13-4714 was used in Functional assays to develop an approach to functional optical coherence tomography imaging that implements custom algorithms to spectrally identify unique contrast agents: large gold nanorods."

Authors: Liba O, SoRelle ED, Sen D, de la Zerda A

Species
Not Applicable

Dilution
Not Cited

Year
2016

Immunofluorescence (1)

The Journal of neuroscience : the official journal of the Society for Neuroscience

PD-L1 expression by neurons nearby tumors indicates better prognosis in glioblastoma patients.

"13-4714 was used in Immunohistochemistry-immunofluorescence to study the relationship between program death-ligand expression and clinical outcome in glioblastoma multiforme patients."

Authors: Liu Y, Carlsson R, Ambjørn M, Hasan M, Badn W, Darabi A, Siesjö P, Issazadeh-Navikas S

Species
Not Applicable

Dilution
Not Cited

Year
2013

More applications with references on thermofisher.com

IHC (1)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.