

CD253 (TRAIL) Monoclonal Antibody (N2B2), Biotin, eBioscience™

Product Details	
Size	50 µg
Published Species	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	N2B2
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466809

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	4 Publications
Neutralization (Neu)	-	1 Publication

Product Specific Information

Description: The N2B2 monoclonal antibody reacts with mouse TNF-related apoptosis-inducing ligand (TRAIL), a member of the TNF superfamily. TRAIL is not detected on the surface of freshly isolated T, B, or NK cells, but can be induced preferentially on CD3⁺ NK1.1⁺ NK cells after stimulation with IL-2 or IL-15. N2B2 inhibits IL-2- or IL-15-activated NK cell cytotoxicity against mouse fibrosarcoma L929 target cells.

Applications Reported: N2B2 has been reported for use in flow cytometric analysis.

Applications Tested: The N2B2 antibody has been tested by flow cytometric analysis of mouse TRAIL transfected cells and 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.

Flow Cytometry (4)

<p>PLoS pathogens</p> <p>Trypanosoma brucei Co-opts NK Cells to Kill Splenic B2 B Cells.</p> <p>"13-5951 was used in Flow cytometry/Cell sorting to investigate the mechanism by which natural killer cells in Trypanosoma brucei infected mice kill B cells, suppress humoral immunity and induce early mortality."</p> <p>Authors: Frenkel D,Zhang F,Guirnalda P,Haynes C,Bockstal V,Radwanska M,Magez S,Black SJ</p>	<p>Year 2016</p> <p>Species Mouse</p>
<p>PloS one</p> <p>Fasting enhances TRAIL-mediated liver natural killer cell activity via HSP70 upregulation.</p> <p>"13-5951 was used in Flow cytometry/Cell sorting to investigate the molecular mechanisms underlying the enhancement of natural killer cell function by fasting in mice."</p> <p>Authors: Dang VT,Tanabe K,Tanaka Y,Tokumoto N,Misumi T,Saeki Y,Fujikuni N,Ohdan H</p>	<p>Year 2015</p> <p>Species Mouse</p>

[View more Flow references on thermofisher.com](#)

Neutralization (1)

<p>Cell death & disease</p> <p>RIPK1 promotes death receptor-independent caspase-8-mediated apoptosis under unresolved ER stress conditions.</p> <p>"Published figure using CD253 (TRAIL) monoclonal antibody (Product # 13-5951-82) in Neutralization"</p> <p>Authors: Estornes Y,Aguileta MA,Dubuisson C,De Keyser J,Goossens V,Kersse K,Samali A,Vandenabeele P,Bertrand MJ</p>	<p>Year 2014</p>
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