

Rat anti-Mouse IgG (H+L) Secondary Antibody, Biotin, eBioscience™

Product Details	
Size	500 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG
Class	Monoclonal
Type	Secondary Antibody
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466650

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-Dependent	-
Immunohistochemistry (IHC)	-	0 Publication
Immunohistochemistry (Paraffin) (IHC (P))	Assay-Dependent	-
Immunocytochemistry (ICC/IF)	10 µg/mL	0 Publication
Flow Cytometry (Flow)	0.5 µg/test	0 Publication
ELISA (ELISA)	Assay-Dependent	-

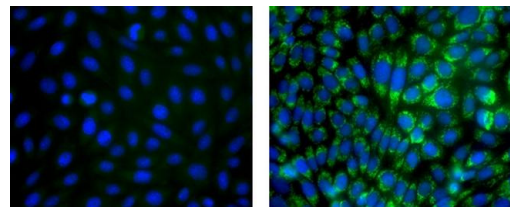
Product Specific Information

Description: The anti-mouse IgG rat polyclonal antibody reacts with the heavy and light chains of mouse IgG, with minimal cross reaction to human, bovine, horse, rat and rabbit serum proteins. Reactions to non-immunoglobulin mouse serum proteins have not been detected. This antibody will recognize the light chains of other mouse immunoglobulins.

Applications Reported: In conjunction with enzyme- or fluorochrome-conjugated Streptavidin (SAV) or Avidin (AV), this polyclonal antibody can be used for detection of purified mouse immunoglobulins (IgG) in ELISA, immunoblotting (WB), immunohistochemical staining and flow cytometry.

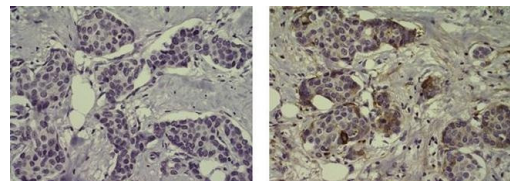
Applications Tested: This polyclonal antibody has been tested by flow cytometric analysis to detect purified mouse monoclonal antibodies. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 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. In addition, it has been adsorbed and tested by ELISA to ensure minimal cross reaction to human, bovine, horse and mouse serum proteins, but may cross-react with immunoglobulins from other species.

Filtration: 0.2 µm post-manufacturing filtered.



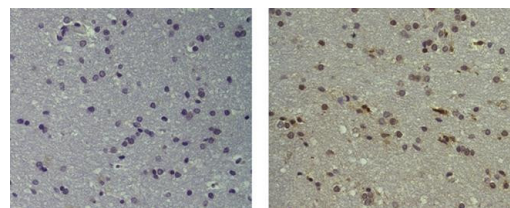
Mouse IgG (H+L) Secondary Antibody (13-4013-85) in ICC/IF

Immunocytochemistry of fixed and permeabilized PC12 cell line using 10 µg/mL of Mouse IgG1 kappa Isotype Control Purified (Product # 14-4714-82) (left) or 10 µg/mL of Anti-Mouse/Rat Nestin Purified (right) followed by Anti-Mouse IgG Biotin (Product # 13-4013-85) and Streptavidin FITC (Product # 11-4317-87). Nuclei are counterstained with DAPI.



Mouse IgG (H+L) Secondary Antibody (13-4013-85) in IHC (P)

Immunohistochemistry on formalin-fixed paraffin embedded human infiltrating ductal carcinoma using 10 µg/mL of Mouse IgG1 k Isotype Control Purified (Product # 14-4714-82) (left) or Anti-Human Lactoferrin Purified (right) followed by Anti-Mouse IgG Biotin (Product # 13-4013-85) and DAB visualization. Nuclei are counterstained with hematoxylin.



Mouse IgG (H+L) Secondary Antibody (13-4013-85) in IHC (P)

Immunohistochemistry of formalin-fixed paraffin embedded human cerebellum stained with 20 µg/mL Mouse IgG1 kappa Isotype Control Purified (Product # 14-4714-82) (left) or 20 µg/mL Anti-Human TAL-1 Purified (right) followed by Anti-Mouse IgG Biotin, Streptavidin HRP and DAB visualization. Nuclei are counterstained with hematoxylin.

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11 References

Oxidized phospholipid oxPAPC induces a Th1-like phenotype in regulatory T cells and inhibits their protective function in atherosclerosis bioRxiv (2023)

Excessive negative regulation of type I interferon disrupts viral control in individuals with Down syndrome. Immunity (2022)

Single-molecule FRET uncovers hidden conformations and dynamics of human Argonaute 2. Nat Commun (2022)

Enhanced fluorescence from semiconductor quantum dot-labelled cells excited at 280 nm bioRxiv (2021)

Genetically Defined, Syngeneic Organoid Platform for Developing Combination Therapies for Ovarian Cancer. Cancer Discov (2021)

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