

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

Product Details	
Size	500 µg
Species Reactivity	Rat
Host/Isotype	Mouse / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	FITC
Excitation/Emission Max	498/517 nm
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_465229

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	0.25 µg/test	-
Immunocytochemistry (ICC/IF)	0.25 µg/test	-
Flow Cytometry (Flow)	0.25 µg/test	0 Publication
Miscellaneous PubMed (Misc)	-	0 Publication

Product Specific Information

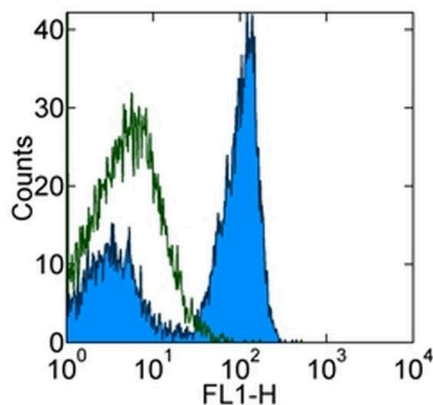
Description: This polyclonal antibody will recognize the light chains of other rat immunoglobulins. Reactions to non-immunoglobulin rat serum proteins have not been detected.

Applications Reported: This polyclonal antibody has been reported for use in detection of purified rat immunoglobulins (IgG) in flow cytometry, immunocytochemistry, and immunohistochemistry.

Applications Tested: FITC Anti-Rat IgG has been tested by flow cytometric analysis, immunohistochemistry, and immunocytochemistry to detect purified rat monoclonal antibodies. 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 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, mouse and rabbit serum proteins, but may cross-react with immunoglobulins from other species.

Excitation: 488 nm; **Emission:** 520 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.



Rat IgG (H+L) Secondary Antibody (11-4811-85) in Flow

Staining of C57Bl/6 splenocytes with 0.5 µg of Rat IgG2a Isotype Control Purified (Product # 14-4321-82) (open histogram) or 0.5 µg of Anti-Human/Mouse CD45R (B220) Purified (filled histogram) followed by Anti-Rat IgG FITC (Product # 11-4811-85). Cells in the lymphocyte gate were used for analysis.

9 References

Anti-complement 5 antibody ameliorates antibody-mediated rejection after liver transplantation in rats. Front Immunol (2023)

Parity-induced changes to mammary epithelial cells control NKT cell expansion and mammary oncogenesis. Cell Rep (2021)

IL-6 and IL-8, secreted by myofibroblasts in the tumor microenvironment, activate HES1 to expand the cancer stem cell population in early colorectal tumor. Mol Carcinog (2021)

Regulation of PD-L1 expression in K-ras-driven cancers through ROS-mediated FGFR1 signaling. Redox Biol (2021)

Cathepsin B is highly expressed in pancreatic cancer stem-like cells and is associated with patients' surgical outcomes. Oncol Lett (2021)

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