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Mouse Fc Receptor Blocking Solution (CD16/CD32) Rat mAb

For Research Use Only. Not for Use in Diagnostic Procedures.

Sensitivity:	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
Endogenous	Rat IgG2b	#P08101-2, #P08508	14130, 14131

Product Usage Information

To block the interaction of IgG with mouse Fc receptors, add 1.0 µg of antibody per million cells in 100 µl of buffer. Incubate 10 mins at 4°C or room temperature as desired. A wash step is not needed prior to adding antibodies of interest. The optimal blocking concentration may be assay dependent and may require titration.

Storage

Supplied in 10 mM NaH₂PO₄, 150 mM NaCl, 0.09% NaN₃, pH7.2. This product is stable for 12 months when stored at 4°C. *Do not aliquot the antibody. Do not freeze.*

Specificity/Sensitivity

Mouse Fc Receptor Blocking Solution (CD16/CD32) Rat mAb binds to all isoforms of mouse CD16 and CD32, preventing interaction with the IgG Fc domain.

Source / Purification

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography.

Background

The 2.4G2 clone is widely used as a blocking reagent to prevent interactions between mouse Fc receptors and IgG. By binding to CD32 (FcγRII) and CD16 (FcγRIII), the 2.4G2 clone prevents the Fc receptor proteins from being able to interact with the Fc domain of antibodies subsequently added for analysis. Performing an Fc blocking step thus reduces background and false positive events in flow cytometry assays on live cells.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

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