

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Fcγ RIIB in direct ELISAs. In direct ELISAs, this antibody shows 100% cross-reactivity with recombinant mouse (rm) Fcγ RIIB. In ELISAs, this antibody shows approximately 7% cross-reactivity with rmFcγ RIIB.
Source	Monoclonal Rat IgG _{2A} Clone # 190907
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Fcγ RIIB aa 40-217 Accession # P08101
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	Recombinant Mouse Fcγ RIIB/CD32b (Catalog # 1460-CD) under non-reducing conditions only
Mouse Fcγ RIIB/CD32a Sandwich Immunoassay		Reagent
ELISA Capture	2-8 μg/mL	Mouse Fcγ RIIB/CD32b Antibody (Catalog # MAB14601)
ELISA Detection	0.1-0.4 μg/mL	Mouse Fcγ RII/RIII (CD32/CD16) Biotinylated Antibody (Catalog # BAF1460)
Standard		Recombinant Mouse Fcγ RIIB/CD32b (Catalog # 1460-CD)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Fcγ RIIB, also known as CD32b, is a low affinity inhibitory receptor for the Fc portion of the IgG molecules. Fcγ RIIB is expressed on B cells, macrophages, neutrophils, and mast cells and is involved in phagocytosis of immune complexes and modulation of antibody production by B cells.