

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Fcγ RIIB/C in ELISAs. In a sandwich ELISA shows approximately 40% cross-reactivity with recombinant human (rh) Fcγ RIIA and no cross-reactivity with rhFcγ RI, rmFcγ RI, rhFcγ RIIB, rmFcγ RIIB, rhFcγ RIII, or rmFcγ RIII/CD16-2.
Source	Monoclonal Mouse IgG _{2B} Clone # 190710
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Fcγ RIIB/C Ala46-Pro217 Accession # P31994
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 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.

Human Fcγ RIIB/CD32b Sandwich Immunoassay		Reagent
ELISA Capture	2-8 μg/mL	Human Fcγ RIIB/C (CD32b/c) Antibody (Catalog # MAB18751)
ELISA Detection	0.5-2.0 μg/mL	Human Fcγ RIIB/C (CD32b/c) Biotinylated Antibody (Catalog # BAM1875)
Standard		Recombinant Human Fcγ RIIB/C (CD32b/c) (Catalog # 1875-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. <ul style="list-style-type: none"> ● 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 RII, also known as CD32, is a group of three closely related proteins (Fcγ RIIA, Fcγ RIIB, Fcγ RIIIC) that share greater than 94% amino acid identity in their extracellular domains with Fcγ RIIB and Fcγ RIIIC having identical extracellular domains. They function as transmembrane receptors for the Fc portion of IgG molecules. These proteins are expressed by various hematopoietic cells including monocytes, macrophages, neutrophils, NK, T and B cells. The Fcγ RII proteins are involved in phagocytosis of immune complexes and modulation of antibody production by B cells.