

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Fcγ RIIA and human Fcγ RIIB in direct ELISAs and Western blots. In direct ELISAs and Western blots, this antibody does not cross-react with recombinant mouse Fcγ RII.
Source	Monoclonal Mouse IgG _{2A} Clone # 190723
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Fcγ RIIB Ala46-Pro217 Accession # P31994
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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
Flow Cytometry	0.25-1 µg/10 ⁶ cells	Human peripheral blood monocytes and granulocytes

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Fcγ RII, also known as CD32, is a group of three closely related proteins (Fcγ RIIA, Fcγ RIIB, Fcγ RIIC) that share greater than 94% amino acid identity in their 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 cells, and B cells. The Fcγ RII proteins are involved in phagocytosis of immune complexes and modulation of antibody production by B cells.

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