Recombinant Mouse FcγII

Catalog No: C767

Description	Recombinant Mouse Low Affinity Immunoglobulin Gamma Fc Region Receptor II is produced by our Mammalian expression system and the target gene encoding Thr30-Pro210 is expressed with a 6His tag at the C-terminus.
Source	Human Cells
Alternative name	Low affinity immunoglobulin gamma Fc region receptor II;Fc gamma receptor IIB;Fc-gamma RII;Fc-gamma-RIIB;FcRII;IgG Fc receptor II beta;Lymphocyte antigen 17; Ly-17; CD32; Fcgr2; Fcgr2b; Ly-17
Accession No.	P08101
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.4.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Amino Acid Sequence	THDLPKAVVKLEPPWIQVLKEDTVTLTCEGTHNPGNSSTQWFHNGRSIRSQVQASYTFKATVNDSGEYRCQMEQTRLSDPVDLGVISDWLLLQTPQLVFLEGETITLRCHSWRNKLLNRISFFHNEKSVRYHHYSSNFSIPKANHSHSGDYYCKGSLGRTLHQSKPVT ITVQGPKSSRSLPVDHHHHHH
Background	Low affinity immunoglobulin gamma Fc region receptor II (CD32B) is a single-pass type I membrane protein and contains 2 Ig-like C2-type (immunoglobulin-like) domains. The inhibitory CD32B is expressed on B cells and myeloid dendritic cells. Ligation of CD32B on B cells downregulates antibody production and may, in some circumstances, promote apoptosis. Co-ligation of CD32B on dendritic cells inhibits maturation and blocks cell activation. CD32B may also be a target formonoclonal antibody therapy for malignancies.

SDS-Page