

CD32B/Fcgr2b Protein, Mouse, Recombinant (His & Avi), Biotinylated

General Information

Synonyms:	Fcgr2a;Fc fragment of IgG, low affinity IIb, receptor (CD32);Fcr-2;Fcgr2;Fcr-3;F630109E10Rik;LyM-1;Ly-m20;Ly-17;FcgrII;Fc[g]RII;A1528646;fcRII;CD32
Protein Construction:	A DNA sequence encoding the extracellular domain (Met 1-Arg 217) of mouse FGGR2B (NP_001070657.1) as fused with a c-terminal polyhistidine tagged AVI tag at the C-terminus. The expressed protein was biotinylated in vivo by the Biotin-Protein ligase (BirA enzyme) which is co-expressed. Predicted N terminal: Thr 40
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	A0A0B4J1E6
Molecular Weight:	23.9 kDa (predicted); 38-43 kDa (reducing condition, due to glycosylation)

QC Testing

Biological Activity:	Loaded Recombinant Mouse CD32B/Fcgr2b Protein, His Tag, Biotinylated (Cat#TMPY-01986) on SA Biosensor, can bind Monoclonal Anti-Human CD3 Antibody, Mouse IgG2a (OKT3) with an affinity constant of 2.32 μ M as determined in BLI assay (Sartorius Octet RED384)(QC tested).
Purity:	> 95 % as determined by SDS-PAGE. > 90 % as determined by SEC-HPLC
Endotoxin:	< 1.0 EU/ μ g of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μ m filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:	A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.
Stability & Storage:	It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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