

CD32B/Fcgr2b Protein, Mouse, Recombinant (His)

General Information

Synonyms:	Fc fragment of IgG, low affinity IIb, receptor (CD32);Ly-17;Fcr-2;A1528646;Fc[g]RII;Ly-m20;fcRII;CD32;F630109E10Rik;FcgrII;Fcgr2a;Fcr-3;Fcgr2;LyM-1
Protein Construction:	A DNA sequence encoding the extracellular domain (Met 1-Arg 217) of mouse FCGR2B (NP_001070657.1) precursor was expressed with a polyhistidine tag at the C-terminus. Predicted N terminal: Thr 40
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	A0A0B4J1E6
Molecular Weight:	21.7 kDa (predicted); 34 kDa (reducing condition, due to glycosylation)

QC Testing

Biological Activity:	1.Loaded Mouse FcγRIIB / CD32b recombinant protein on His1K Biosensor, can bind Bevacizumab (IgG1) with an affinity constant of 1.1 μM as determined in a BLI assay. 2. The purity of Mouse CD32 / FCGR2B Protein (His Tag) is more than 95% and the molecular weight of this protein is around 26-38 kDa verified by SEC-MALS. 3.Loaded Monoclonal Anti-Human CD3 Antibody, Mouse IgG2a on ProA Biosensor, can bind Recombinant Mouse CD32B/Fcgr2b Protein, His Tag with an affinity constant of 1.07μM as determined in BLI assay(QC tested).
Purity:	> 95 % as determined by SDS-PAGE. > 90 % as determined by SEC-HPLC
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm 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:

Reconstituted with sterile deionized water to 0.25 mg/mL. Reconstitution conditions may vary depending on the lot.

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.

Actual storage temperature shall be subject to the COA.

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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