

CD32B Protein, Mouse, Recombinant (His)

General Information

Synonyms:	Fcgr2;Fcgr2b;Fc-γ-RIIB;Fc-γ RII;Low affinity immunoglobulin γ Fc region receptor II;Fc gamma receptor IIB;Low affinity immunoglobulin gamma Fc region receptor II;Fc γ receptor IIB;Ly-17;Fc-gamma RII;FcRII;IgG Fc receptor II beta;CD32;IgG Fc receptor II β;Lymphocyte antigen 17;Fc-gamma-RIIB
Protein Construction:	Thr30-Pro210
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	P08101
Molecular Weight:	33 KDa (reducing condition)
AA Sequence:	Thr30-Pro210

QC Testing

Biological Activity:	Loaded Mouse CD32-His on HIS1K Biosensor, can bind Anti-Human HER2 mAb with an affinity constant of 1.14 uM as determined in BLI assay. (Regularly tested)
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

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.

Protein 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

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circumstances, promote apoptosis. Co-ligation of CD32B on dendritic cells inhibits maturation and blocks cell activation. CD32B may also be a target for monoclonal antibody therapy for malignancies.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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