

CD32B/Fcgr2b Active Protein | FCGR2B active protein

CD32B/Fcgr2b Protein, Human, Recombinant (ECD, His Tag)

CATALOG #
AAA257858

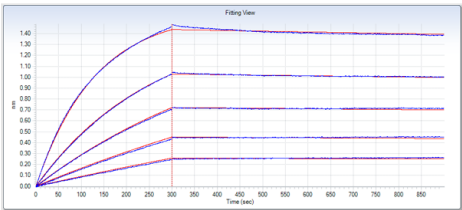
HOST
CHO Cells

PRODUCT SYNONYMS

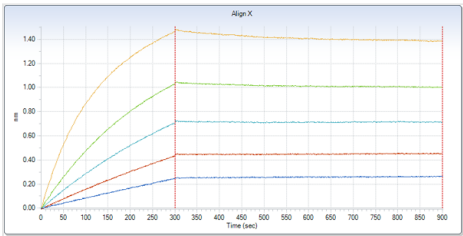
CD32B/Fcgr2b; CD32B/Fcgr2b Protein; Human; Recombinant (ECD; His Tag); Human CD32b/FCGR2B Protein (ECD; CD32 Protein; CD32A Protein; CD32B Protein; CDw32 Protein; Fc gamma RII Protein; Fc gamma RIIB Protein; FCG2 Protein; FcGR Protein; FCGR2 Protein; FCGR21 Protein; FCGR2A Protein; IGFR2 Protein; Fc fragment of IgG; low affinity IIb; receptor (CD32); FCGR2B active protein

PRODUCT SPECIFICATIONS

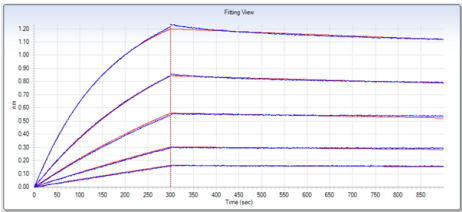
Host	CHO Cells
Purity/Purification	>97% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Ala46-Pro217
Species	Human
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	Ala 46
Tag	C-His
Protein Construction	A DNA sequence encoding (Ala46-Pro217) of human CD32b (NP_001002274.1) was expressed with a C-terminal polyhistidine tag.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Activity	1. Measured by its binding ability in a functional ELISA. Immobilized human sCD32b-His (CHO) at 10ug/ml (100uL/well) can bind biotinylated human IgG1. The EC50 of biotinylated human IgG1 is 0.18-0.42ug/ml. 2. Using the Octet RED System. The affinity constant (Kd) of CD32B/Fcgr2b Protein, Human, Recombinant (His Tag) bound to Conbercept was 0.3nM.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.



Application Data

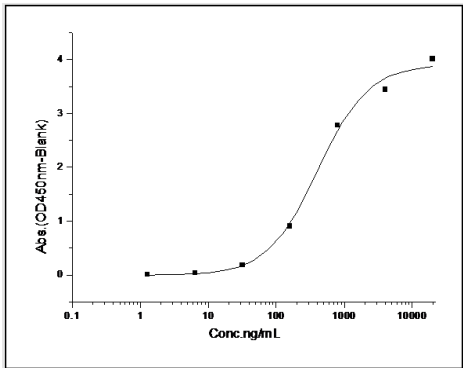


Application Data



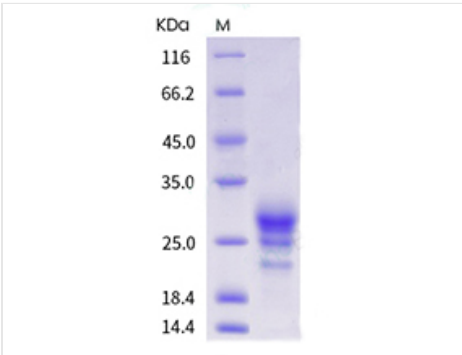
Application Data

Using the Octet RED System, the affinity constant (Kd) of CD32B / Fcgr2b Protein, Human, Recombinant (His Tag) bound to Conbercept was 0.3 nM.



Application Data

Measured by its binding ability in a functional ELISA. Immobilized human sCD32b-His (CHO) at 10 ug/ml (100 uL/well) can bind biotinylated human IgG1. The EC50 of biotinylated human IgG1 is 0.18-0.42 ug/ml.



SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for FCGR2B active protein	Fc Receptors ITIM/ITAM Immunoreceptors and Related Molecules; B Cell Receptor Signaling Pathway
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50511926
NCBI GeneID	2213
NCBI Accession #	NP_001002274.1
NCBI GenBank Nucleotide #	NM_001002274.2
UniProt Accession #	P31994; O95649; Q53X85; Q5VXA9; Q8NIA1; A6H8N3
Molecular Weight	31,873 Da
NCBI Official Full Name	low affinity immunoglobulin gamma Fc region receptor II-b isoform 3

NCBI Official Synonym Full Names	Fc fragment of IgG receptor IIb
NCBI Official Symbol	FCGR2B
NCBI Official Synonym Symbols	CD32; FCG2; CD32B; FCGR2; IGFR2
NCBI Protein Information	low affinity immunoglobulin gamma Fc region receptor II-b
UniProt Protein Name	Low affinity immunoglobulin gamma Fc region receptor II-b
UniProt Gene Name	FCGR2B
UniProt Synonym Gene Names	CD32; FCG2; IGFR2; IgG Fc receptor II-b; Fc-gamma-RIIb; FcRII-b
UniProt Entry Name	FCG2B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/cho-active-protein/cd32b-fcgr2b/257858>