Recombinant Human FCGR2A Protein, C-His-tagged

Product Information

Cat	*IMP-1991*
Official Symbol	*FCGR2A*
Product Overview	*Recombinant extracellular domain (Met 1-Gly 216) of human CD32a (AAH19931.1) precursor was expressed, with a C-terminal polyhistidine tag.*
Description	*This gene encodes one member of a family of immunoglobulin Fc receptor genes found on the surface of many immune response cells. The protein encoded by this gene is a cell surface receptor found on phagocytic cells such as macrophages and neutrophils, and is involved in the process of phagocytosis and clearing of immune complexes. Alternative splicing results in multiple transcript variants.*
Expression System	*Insect cell*
Species	*Human*
Tag	*C-His*
Predicted N Terminal	*Gln 34*
Form	*Lyophilized from sterile 20mM Tris, 50mM NaCl, pH 7.4, 5 % trehalose, 5% mannitol and 0.01% Tween80.*
Molecular Mass	*The recombinant human CD32a consists of 192 amino acids after removal of the signal peptide and predicts a molecular mass of 22 kDa. It migrates as an approximately 25 kDa protein due to glycosylation by SDS-PAGE under reducing conditions.*
Protein length	*Met1-Gly216*
Endotoxin	*< 1.0 EU/μg of the protein as determined by the LAL method*
Purity	*> 90 % as determined by SDS-PAGE*
Storage	*Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.*
Reconstitution	*A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.*
SDS-PAGE	

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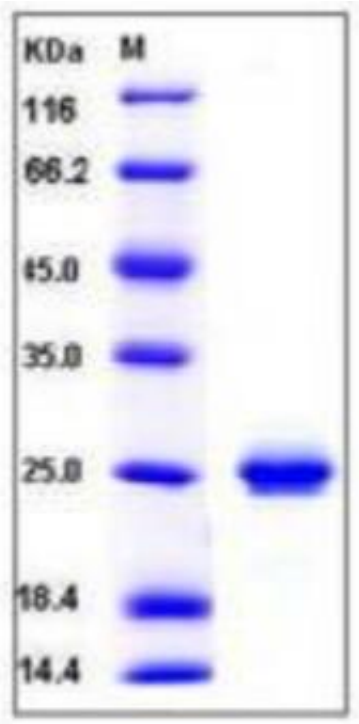

Bioactivity-ELISA 1

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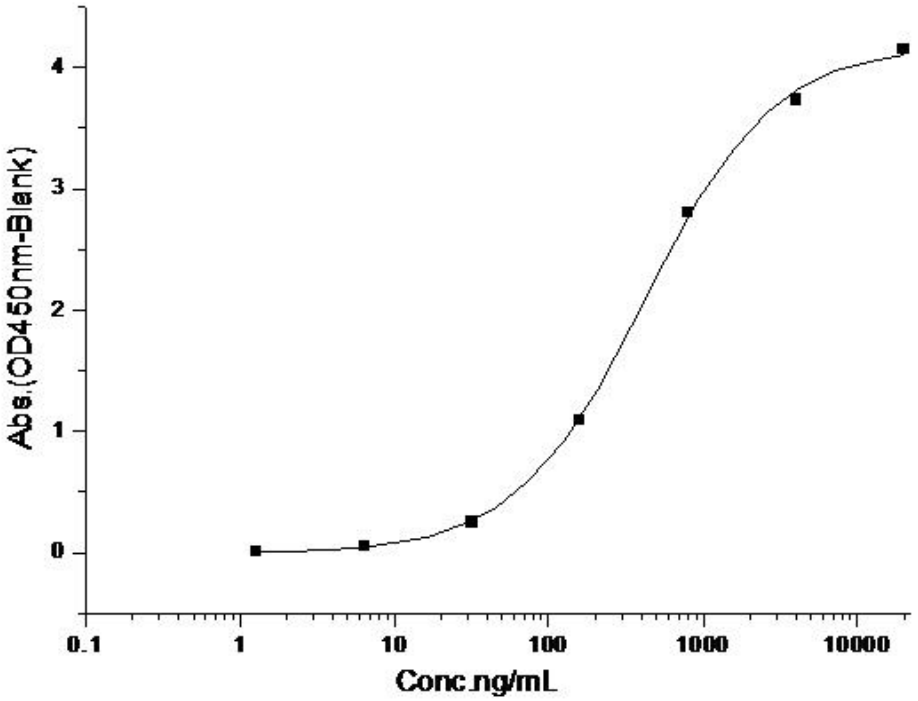

Measured by its binding ability in a functional ELISA. Immobilized human CD32a at 10 μg/mL (100 μL/well) can bind biotinylated human IgG1, The EC50 of biotinylated human IgG1 is 0.07-0.17 μg/mL.

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