Human CD32a / FCGR2A Protein (167 His)  
(His & AVI Tag)  
Catalog Number: 10374-H27H1

General Information

Gene Name Synonym:
CD32; CD32A; CDw32; Fc gamma RIIA; FCG2; FcGR; FCGR2; FCGR2A1; IGFR2

Protein Construction:
A DNA sequence encoding the extracellular domain (Met 1-Met 210) of human CD32a (P12318-1) was fused with a C-terminal polyhistidine tagged AVI tag at the C-terminus. It is identical to FCGR2A131H/R in the reference.

Source: Human
Expression Host: HEK293 Cells

QC Testing

Purity: > 98 % as determined by SDS-PAGE

Bio Activity:
Measured by its binding ability in a functional ELISA. Immobilized human CD32a-AVI (167 Arg/His)at 10 μg/ml (100 μl/well) can bind biotinylated human IgG1, The EC50 of biotinylated human IgG1 is 0.13-0.29 μg/ml.

Endotoxin:
< 1.0 EU per μg of the protein as determined by the LAL method

Stability:
Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Gin 34

Molecular Mass:
The recombinant human CD32a consists of 213 amino acids after removal of the signal peptide and predicts a molecular mass of 23.6 KDa. It migrates as an approximately 32 KDa band due to glycosylation by SDS-PAGE under reducing conditions.

Formulation:
Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:
Detailed reconstitution instructions are sent along with the products.

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