Human CD32a / FCGR2A Protein (167 Arg, His Tag)

Catalog Number: 10374-H08C

Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

CD32; CD32A; CDw32; Fc gamma RIIA; FCG2; FcGR; FCGR2; FCGR2A1; IGFR2

Protein Construction:

A DNA sequence encoding (Met 1-Ile 218) of human CD32a (AAA35827.1) was expressed with a C-terminal polyhistidine tag. It is identical to FCGR2A131H/R in the reference.

Source: Human

Expression Host: CHO Cells

QC Testing

Purity: > 97 % as determined by SDS-PAGE

Bio Activity:

Measured by its binding ability in a functional ELISA. Immobilized human CD32a-His (Cat:10374-H08C) at 10 μg/ml (100 μl/well) can bind biotinylated human IgG1, The EC_{50} of biotinylated human IgG1 is 0.14-0.32 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 ℃

Predicted N terminal: Gln 34

Molecular Mass:

The secreted recombinant human CD32a consists of 196 amino acids and predicts a molecular mass of 22 KDa. The apparent molecular mass of the protein is approximately 29-32 KDa in SDS-PAGE under reducing conditions due to glycosylation.

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℃ to -80℃ 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.

SDS-PAGE:

