

Human CD32b / FCGR2B Protein (His & AVI Tag), Biotinylated

Catalog Number: 10259-H27H-B



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

CD32B; Fc gamma RIIB; FCGR2; AI528646; CD32; F630109E10Rik; Fcgr2; Fcgr2a; Fcgr2l; Fcr-2; Fcr-3; fcRII; Fc[g]RII; Ly-17; Ly-m20; LyM-1

Protein Construction:

A DNA sequence encoding the extracellular domain (Ala 46-Ile 224) of mature human CD32b (NP_001002274.1) protein was fused with a signal peptide at the N-terminus and a c-terminal polyhistidine tagged AVI tag at the C-terminus. The expressed protein was biotinylated in vivo by the Biotin-Protein ligase (BirA enzyme) which is co-expressed.

Source: Human

Expression Host: Human Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Bio Activity:

1. Measured by its binding ability in a functional ELISA. Immobilized Human IgG1 at 10 µg/ml (100 µl/well) can bind Human CD32b(Cat:10259-H27H-B). The EC₅₀ of Human CD32b(Cat:10259-H27H-B) is 1.6 - 3.7 µg/ml.
2. Labeling ratio of biotin to protein: 0.5

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: Ala 46

Molecular Mass:

The recombinant mature human CD32b consists of 214 amino acids after proteolytic removal of the signal peptide and predicts a molecular mass of 24 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of the protein is approximately 35 kDa protein 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:

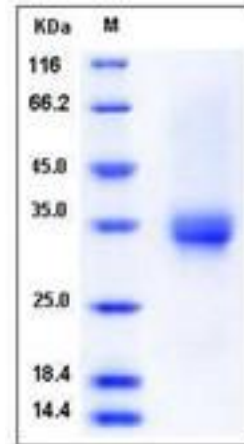
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



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Fax :+86-10-51029969 • Tel:+86-400-890-9989 • <http://www.sinobiological.com>