

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

Catalog Number: 10259-H27H-B



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

CD32; CD32A; CD32B; CDw32; Fc gamma RII; Fc gamma RIIb; FCG2; FcGR; FCGR2; FCGR21; FCGR2A; IGFR2

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: HEK293 Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE. > 90 % as determined by SEC-HPLC

Bio Activity:

Loaded Biotinylated Human FcγRIIb/C / CD32b/c protein (His & Avi Tag) (Cat. 10259-H27H-B) on SA Biosensor, can bind Bevacizumab (IgG1) with an affinity constant of 1.2 μM as determined in a BLI assay (Sartorius Octet Red384) (QC tested).

Endotoxin:

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

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

Stability & Storage:

Samples are stable for twelve months from date of receipt at -20°C to -80°C.

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:

