Mouse CD32 / FCGR2B Protein (His Tag)

Catalog Number: 50030-M08H

General Information

Gene Name Synonym:
Fcgr2

Protein Construction:
A DNA sequence encoding the extracellular domain (Met 1-Arg 217) of mouse FCGR2B (NP_001070657.1) precursor was expressed with a polyhistidine tag at the C-terminus.

Source: Mouse
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 mouse FCGR2B-His (CD32) (Cat:50030-M08H) 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: Thr 40

Molecular Mass:
The secreted recombinant mouse FCGR2B consists of 189 amino acids and has a predicted molecular mass of 21.7 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm FCGR2B is approximately 35-40 kDa 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.

References