

# Mouse CD32 / FCGR2B Protein (His Tag)



Sino Biological  
Biological Solution Specialist

Catalog Number: 50030-M08H

## General Information

### Gene Name Synonym:

AI528646; CD32; F630109E10Rik; Fcgr2; Fcgr2a; FcgRII; Fcr-2; Fcr-3; fcRII; Fc[g]RII; Ly-17; Ly-m20; LyM-1

### 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 EC<sub>50</sub> 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

**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 34 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

### 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:

