

# Mouse CD48/SLAMF2 (His Tag) recombinant protein



Catalog Number: 500558

## General Information

### Gene Name Synonym

BCM1 surface antigen; BLAST-1; HM48-1; MRC OX-45 surface antigen; SLAM family member 2; Signaling lymphocytic activation molecule 2; sgp-60

### Protein Construction

A DNA sequence encoding the mouse CD48 (NP\_031675.1) without the propeptide, corresponding to the amino acids (Met 1-Arg 216) was expressed with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its ability to bind human 2B4 in a functional ELISA.
2. Measured by its ability to bind biotinylated recombinant mouse CD2 in a functional ELISA.

### Purity

> 85 % as determined by SDS-PAGE

### 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

Phe 23

## Molecular Mass

The secreted recombinant mouse CD48 consists of 205 amino acids and has a calculated molecular mass of 23.7 kDa. As a result of glycosylation, the apparent molecular mass of the recombinant protein is approximately 45-60 kDa in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

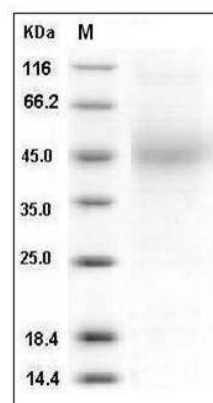
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Mouse CD48 / SLAMF2 / BCM1 Protein (His Tag)  
SDS-PAGE