

## General Information

### Gene Name Synonym

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

### Protein Construction

A DNA sequence encoding the rat CD48 (P10252) (Met1-Arg216) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Phe 23

### Molecular Mass

The recombinant rat CD48 comprises 205 amino acids and predicts a molecular mass of 23.9 kDa. The apparent molecular mass of the recombinant protein is approximately 38-43 kDa in SDS-PAGE under reducing conditions due to glycosylation.

### 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

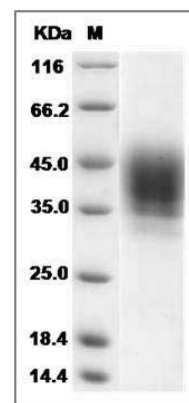
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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



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