

Rat CD48 / SLAMF2 / BCM1 Protein (His Tag)



Sino Biological
Biological Solution Specialist

Catalog Number: 80286-R08H

General Information

Gene Name Synonym:

CD48

Protein Construction:

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

Source: Rat

Expression Host: HEK293 Cells

QC Testing

Purity: > 95 % 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 $-70\text{ }^{\circ}\text{C}$

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

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:

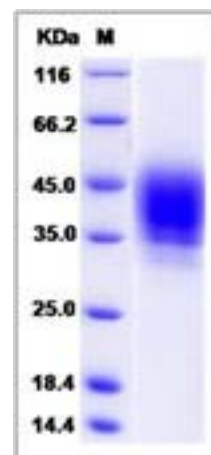
Store it under sterile conditions at $-20\text{ }^{\circ}\text{C}$ to $-80\text{ }^{\circ}\text{C}$ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

Cluster of Differentiation 48 (CD48), also known as SLAMF2, BCM-1 and BLAST-1, is a GPI-linked protein belonging to the CD2 subfamily of immunoglobulin superfamily molecules. CD2 and 2B4 (CD244) are known ligands for CD48. CD48 protein is expressed on most lineage-committed hematopoietic cells but not on hematopoietic stem cells or multipotent hematopoietic progenitors. CD48 protein performs biological functions in a variety of processes including adhesion, pathogen recognition, cellular activation, and cytokine regulation, and emerges as a critical effector molecule in immune responses.

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