Recombinant Rat CD48/SLAMF2 Protein(His Tag)

Catalog Number: PDMR100071

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Species	Rat
Source	Mammalian-derived Rat CD48/SLAMF2 proteins Phe23-Ser217, with an C-terminal His
Calculated MW	21.3 kDa
Observed MW	35-40 kDa
Accession	P10252
Bio-activity	Not validated for activity

Properties

Purity	>90% as determined by reducing SDS-PAGE.
Endotoxin	<1.0 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at <-20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data
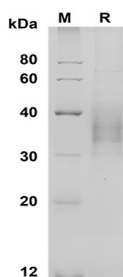
SDS-PAGE analysis of Rat CD48/SLAMF2 proteins, 2 μg/lane of Recombinant Rat CD48/SLAMF2 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 35-40 KD

Background

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 processes including adhesion, pathogen recognition, cellular activation, and cytokine regulation, and emerges as a critical effector molecule in immune responses.

For Research Use Only

Toll-free: 1-888-852-8623
Web:www.elabscience.com

Tel: 1-832-243-6086
Email:techsupport@elabscience.com

Fax: 1-832-243-6017

Rev. V1.7