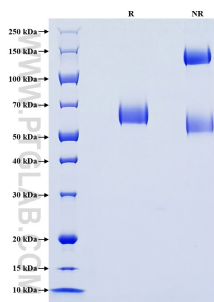


Recombinant Mouse CD48 protein (rFc Tag) (HPLC verified)

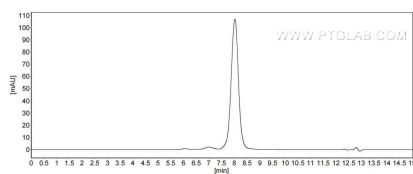
Catalog Number: Eg1393

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE >90 %, SEC-HPLC	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE >90 %, SEC-HPLC Endotoxin Level: <0.1 EU/ µg protein, LAL method Source: HEK293-derived Mouse CD48 protein Phe23-Ser217 (Accession# BAE96326.1) with a rabbit IgG Fc tag at the C-terminus. GeneID: 12506 Accession: BAE96326.1 Predicted Molecular Mass: 48.7 kDa SDS-PAGE: 60-70 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	Signaling lymphocytic activation molecule family 2 (SLAMF2, CD48) is an adhesion and costimulatory molecule expressed constitutively on most hematopoietic cells, particularly in antigen-presenting cells (APC). CD48 is expressed on all the hematopoietic cells, both in humans and mice, except for murine neutrophils and long-term HSC. CD48 exists as both a membrane-bound (mCD48) and a soluble (sCD48) form. CD48 can activate T cells, antigen-presenting cells and granulocytes, by binding to CD2 or bacterial FimH, and through cell intrinsic effects. Interactions between CD48 and its high-affinity ligand CD244 are more complex, with both stimulatory and inhibitory outcomes.		
References	1. Zou C. et al. (2019). Onco Targets Ther. 12:4181-4193. 2. Boles NC. et al. (2011). Blood. 118(1):80-7. 3. Pahima H. et al. (2023). Ann Allergy Asthma Immunol. 130(2):245-253. 4. McArde SL. et al. (2016). Clin Immunol. 164:10-20.		
Synonyms	BLAST, BLAST 1, BLAST1, CD48 antigen, MEM 102		

Selected Validation Data



Purity of Recombinant Mouse CD48 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Mouse CD48 was greater than 90% as determined by SEC-HPLC.

For technical support and original validation data for this product please contact

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