

Product datasheet

Recombinant human CD48 protein ab179981

3 Images

Description

Product name	Recombinant human CD48 protein	
Biological activity	Measured by its binding ability in a functional ELISA. Immobilized Human CD244 protein Fc Chimera at 5 µg/ml (100µl/well) can bind Human CD48 with a linear range of 0.1- 4 µg/ml.	
Purity	> 95 % SDS-PAGE.	
Endotoxin level	= 1.000 Eu/µg	
Expression system	HEK 293 cells	
Accession	<u>P09326</u>	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	QGHLVHMTVVSGSNVTLNISESLPENYKQLTWFYTFDQKIV EWDSRKSKY FESKFKGRVR LDPQSGALYISKVQKEDNSTYIMRVLKKTGNEQEWKIK LQVLDPVPKPVIKIEKIEDMDD NCYLKLSCVIPGESVNYTWYGDKRPF PKELQNSVLETTLMPHNYSRCYTCQVSNSVSSKN GTVCLSPPTLARS	
Predicted molecular weight	23 kDa including tags	
Amino acids	27 to 220	
Tags	His tag C-Terminus	
Additional sequence information	Mature form.	

Specifications

Our **Abpromise guarantee** covers the use of **ab179981** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
	Functional Studies

Form Lyophilized

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at 4°C prior to reconstitution. Upon reconstitution add a carrier protein (0.1% BSA). Store at -80°C. Avoid freeze / thaw cycle.

pH: 7.40

Constituents: 95% PBS, 5% Trehalose

This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution

Reconstitute with sterile deionized water to a concentration of 400 µg/ml.

General Info

Function

Ligand for CD2. Might facilitate interaction between activated lymphocytes. Probably involved in regulating T-cell activation.

Sequence similarities

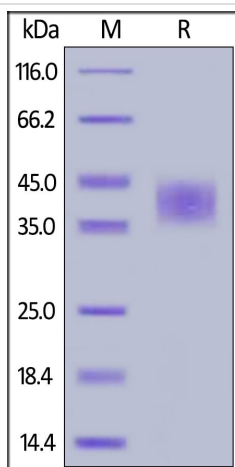
Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

Cellular localization

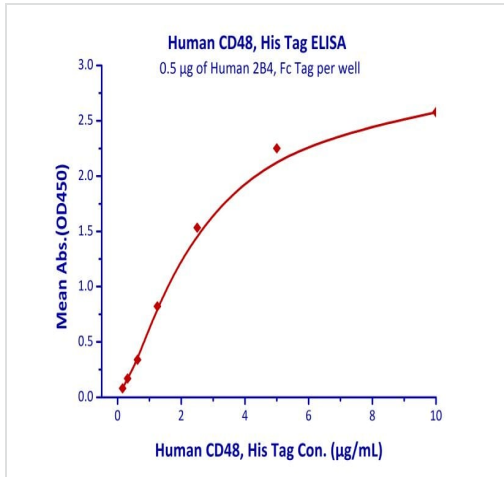
Cell membrane.

Images



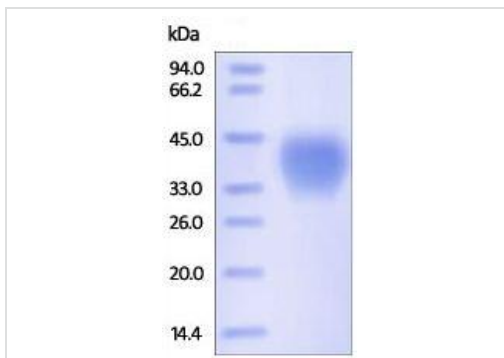
Human CD48, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

SDS-PAGE - Recombinant human CD48 protein
(ab179981)



Immobilized Human 2B4, Fc Tag at 5 µg/mL (100 µL/well) can bind Human CD48, His Tag with a linear range of 0.156-2.5 µg/mL.

Functional Studies - Recombinant human CD48 protein (ab179981)



SDS-PAGE analysis of ab179981 (DTT-reduced) staining overnight with Coomassie Blue. DTT-reduced protein migrates as 38-45 kDa due to glycosylation.

SDS-PAGE - Recombinant human CD48 protein (ab179981)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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