

Product datasheet

Recombinant Human CD47 protein (Tagged) ab271435

[2 Images](#)

Description

Product name	Recombinant Human CD47 protein (Tagged)
Purity	>= 90 % SDS-PAGE.
Expression system	HEK 293 cells
Accession	<u>Q08722</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	QLLFNKTKSV EFTFCNDTVV IPCFVTNMEA QNTTEVYVKW KFKGRDIYTF DGALNKSTVP TDFSSAKIEV SQLLKGDASL KMDKSDAVSH TGNYTCEVTE LTREGETIIE LKYRVVSWFS P
Predicted molecular weight	42 kDa including tags
Molecular weight information	Protein runs at higher than predicted MW on SDS-PAGE due to glycosylation.
Amino acids	19 to 139
Tags	Avi tag C-Terminus , Fc tag C-Terminus
Additional sequence information	Fc portion of human IgG1. Genbank: NM_001777

Specifications

Our **Abpromise guarantee** covers the use of **ab271435** 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
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle. pH: 7.40
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Constituents: 0.13% Sodium phosphate, 0.64% Sodium chloride, 0.02% Potassium chloride, 20% Glycerol (glycerin, glycerine)

General Info

Function

Has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins. Plays an important role in memory formation and synaptic plasticity in the hippocampus (By similarity). Receptor for SIRPA, binding to which prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. Interaction with SIRPG mediates cell-cell adhesion, enhances superantigen-dependent T-cell-mediated proliferation and costimulates T-cell activation. May play a role in membrane transport and/or integrin dependent signal transduction. May prevent premature elimination of red blood cells. May be involved in membrane permeability changes induced following virus infection.

Tissue specificity

Very broadly distributed on normal adult tissues, as well as ovarian tumors, being especially abundant in some epithelia and the brain.

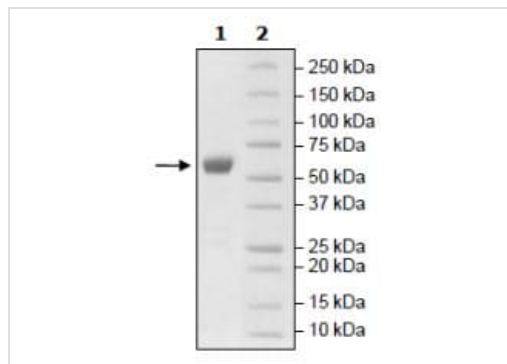
Sequence similarities

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

Cellular localization

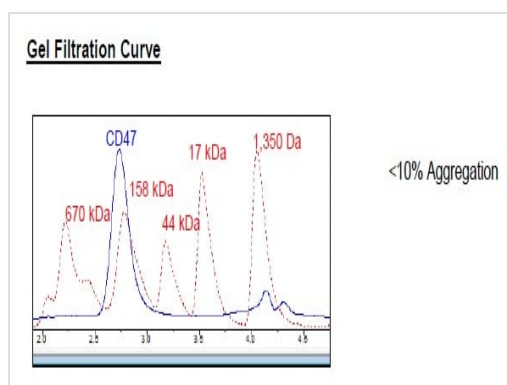
Cell membrane.

Images



SDS-PAGE analysis of ab271435.

SDS-PAGE - Recombinant Human CD47 protein
(Tagged) (ab271435)



SEC analysis of ab271435.

Aggregation <10%.

Size Exclusion Chromatography - Recombinant
Human CD47 protein (Tagged) (ab271435)

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

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