

Product datasheet

Recombinant Human Integrin alpha 4/CD49D protein ab158773

[1 Image](#)

Description

Product name	Recombinant Human Integrin alpha 4/CD49D protein
Expression system	Wheat germ
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	RIGKNPGQTCEQLQLGSPNGEPCGKTCLEERDNQWLGVTL LSRQPGENGSI VTCGHRWKNIFYIKNENKLPTGGCYGVPPDLRTELSKRIAP CYQDYVKKF GENFASCQAG
Amino acids	98 to 207
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab158773** in the following tested applications.

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

Applications	Western blot ELISA
Form	Liquid
Additional notes	This product was previously labelled as Integrin alpha 4.

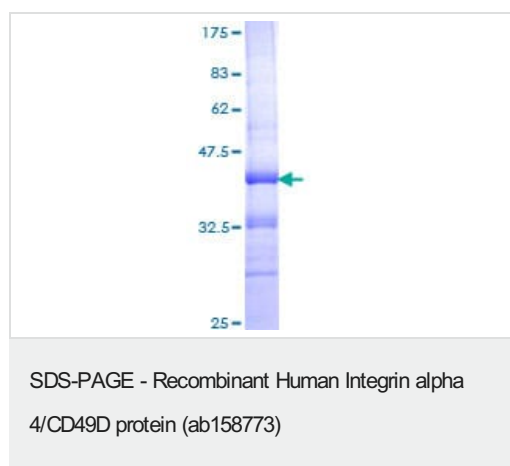
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Function	Integrins alpha-4/beta-1 (VLA-4) and alpha-4/beta-7 are receptors for fibronectin. They recognize one or more domains within the alternatively spliced CS-1 and CS-5 regions of fibronectin. They are also receptors for VCAM1. Integrin alpha-4/beta-1 recognizes the sequence Q-I-D-S in VCAM1. Integrin alpha-4/beta-7 is also a receptor for MADCAM1. It recognizes the sequence L-D-T in MADCAM1. On activated endothelial cells integrin VLA-4 triggers homotypic aggregation for most VLA-4-positive leukocyte cell lines. It may also participate in cytolytic T-cell interactions with target cells.
Sequence similarities	Belongs to the integrin alpha chain family. Contains 7 FG-GAP repeats.
Domain	The SG1 motif is involved in binding to chondroitin sulfate glycosaminoglycan and cell adhesion.
Post-translational modifications	Phosphorylation on Ser-1027 inhibits PXN binding.
Cellular localization	Membrane.

Images



ab158773 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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

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