

CD49D Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4307
Host	Mouse
Isotype	Mouse IgG2a
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human CD49D (AA: extra 833-977) expressed in E. Coli.
Mol wt	114.9kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB,FCM
Concentration	N/A
Full name	N/A
Synonyms	ITGA4;IA4

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The gene encodes a member of the integrin alpha chain family of proteins. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha 4 subunit. This subunit associates with a beta 1 or beta 7 subunit to form an integrin that may play a role in cell motility and migration. This integrin is a therapeutic target for the treatment of multiple sclerosis, Crohn's disease and inflammatory bowel disease. Alternative splicing results in multiple transcript variants.

Recommended Dilution

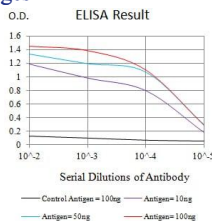
WB: 1:500 - 1:2000

FCM: 1:200 - 1:400

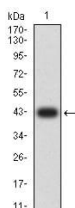
ELISA: 1:10000

Not yet tested in other applications.

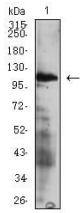
Images



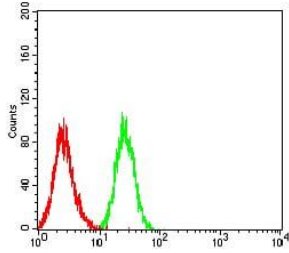
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



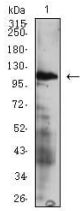
Western blot analysis using CD49D mAb against human CD49D (AA: extra 833-977)) recombinant protein. (Expected MW is 42.6 kDa)



Western blot analysis using CD49D mAb against HEK293 (1) and CD49D (AA: extra 833-977)-hlgGfc transfected HEK293 (2) cell lysate.



Flow cytometric analysis of HL-60 cells using CD49D mouse mAb (green) and negative control (red).



Western blot analysis using CD49D mouse mAb against HL-60 (1) cell lysate.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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