

CD51 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4121
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human CD51 (AA: extra 31-189) expressed in E. Coli.
Mol wt	116kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	FCM
Concentration	N/A
Full name	N/A
Synonyms	ITGAV;MSK8;VNRA;VTNR

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

Background

The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha subunit and a beta subunit that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha V subunit. This subunit associates with beta 1, beta 3, beta 5, beta 6 and beta 8 subunits. The heterodimer consisting of alpha V and beta 3 subunits is also known as the vitronectin receptor. This integrin may regulate angiogenesis and cancer progression. Alternative splicing results in multiple transcript variants. Note that the integrin alpha 5 and integrin alpha V subunits are encoded by distinct genes.

Recommended Dilution

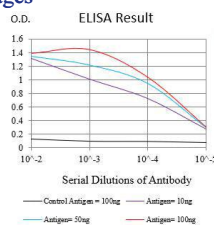
WB: 1:500 - 1:2000

FCM: 1:200 - 1:400

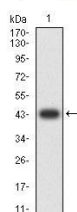
ELISA: 1:10000

Not yet tested in other applications.

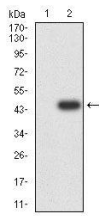
Images



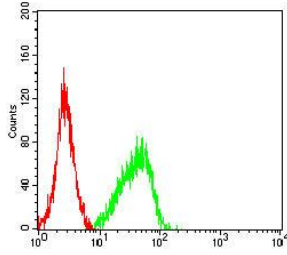
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Western blot analysis using CD51 mAb against human CD51 (AA: extra 31-189) recombinant protein. (Expected MW is 43.6 kDa)



Western blot analysis using CD51 mAb against HEK293-6e (1) and CD51 (AA: extra 31-189)-hlgGFc transfected HEK293-6e (2) cell lysate.



Flow cytometric analysis of B16 cells using CD51 mouse mAb (green) and negative control (red).

Storage

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

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