

CD11a Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4341
Host	Mouse
Isotype	Mouse IgG2a
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human CD11a (AA: extra 26-194) expressed in E. Coli.
Mol wt	128.8kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB,IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	ITGAL;LFA-1;LFA1A

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

Background

ITGAL encodes the integrin alpha L chain. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This I-domain containing alpha integrin combines with the beta 2 chain (ITGB2) to form the integrin lymphocyte function-associated antigen-1 (LFA-1), which is expressed on all leukocytes. LFA-1 plays a central role in leukocyte intercellular adhesion through interactions with its ligands, ICAMs 1-3 (intercellular adhesion molecules 1 through 3), and also functions in lymphocyte costimulatory signaling. Two transcript variants encoding different isoforms have been found for this gene.

Recommended Dilution

WB: 1:500 - 1:2000

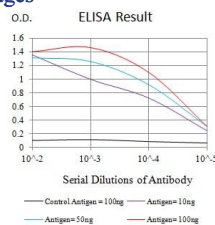
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

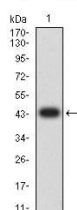
ELISA: 1:10000

Not yet tested in other applications.

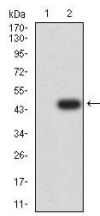
Images



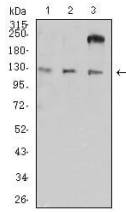
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



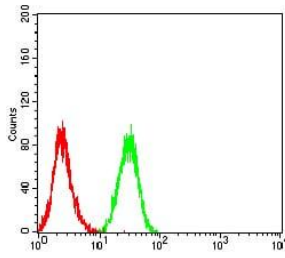
Western blot analysis using CD11a mAb against human CD11a (AA: extra 26-194) recombinant protein. (Expected MW is 44.4 kDa)



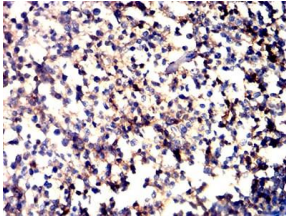
Western blot analysis using CD11a mAb against HEK293 (1) and CD11a (AA: extra 26-194)-hIgGFc transfected HEK293 (2) cell lysate.



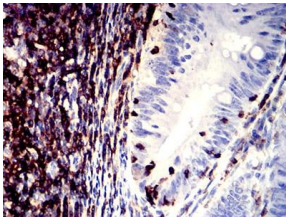
Western blot analysis using CD11a mouse mAb against HL-60 (1), A549 (2), and SW620 (3) cell lysate.



Flow cytometric analysis of HL-60 cells using CD11a mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded tonsil tissues using CD11a mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using CD11a mouse mAb with DAB staining.

Storage

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

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