

CD11a / Integrin alphaL / LFA-1 alpha Chain Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone DF1524]
Catalog # AH11605

Product Information

Application	IF, FC
Primary Accession	P20701
Other Accession	3683 , 174103
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG2b, kappa
Clone Names	DF1524
Calculated MW	180 KDa

Additional Information

Other Names	Integrin alpha-L, CD11 antigen-like family member A, Leukocyte adhesion glycoprotein LFA-1 alpha chain, LFA-1A, Leukocyte function-associated molecule 1 alpha chain, CD11a, ITGAL, CD11A
Application Note	IF~~1:50~200 FC~~1:10~50
Storage	Store at 2 to 8°C.Antibody is stable for 24 months.
Precautions	CD11a / Integrin alphaL / LFA-1 alpha Chain Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

Recognizes a protein of 180kDa, identified as CD11a (Leucocyte Workshop IV; Code 1524). CD11a complex with the 2 subunit of the integrin family, CD18, to form the cell surface heterodimer, LFA-1 or CD11a /C18 (aLbL). LFA-1 is expressed on all leukocytes including lymphocytes, monocytes, and granulocytes. It is involved in leukocyte adhesion to its ligands including intercellular adhesion molecule-1 (ICAM-1 or CD54), ICAM-2 (CD102), ICAM-3 (CD50) and Telencephalin (TLN) and play a role in most immune/inflammatory responses. This MAb potentially blocks LFA-1 dependent homotypic cell aggregation.

References

Knapp et al. (Eds.), Leukocyte Typing IV, 1989: Sections N1 (pp. 543.551), N1.I (pp. 551.553); N1.2 (pp.

553554); N1.3 (pp. 555558); N1.8 (pp. 566570); N1.9 (pp. 570574); N14.4 (pp. 689693). | Petruzzelli L et al. Activation of lymphocyte function-associated molecule-1 (CD11a/CD18) and Mac-1 (CD11b/CD18) mimicked by an antibody directed against CD18. *J Immunol* 1995, 155(2):854-866. | Edwards CP et al. Mapping the intercellular adhesion molecule-1 and -2 binding site on the inserted domain of leukocyte function-associated antigen-1. *J Biol Chem* 1998, 273(44):28937-44. | Shang XZ and Issekutz AC. Contribution of CD11a/CD18, CD11b/CD18, ICAM-1 (CD54) and -2 (CD102) to human monocyte migration through endothelium and connective tissue fibroblast barriers. *Eur J Immunol* 1998, 28(6):1970-1979. | Tian L et al. The neuronal glycoprotein telencephalin is a cellular ligand for the CD11a/CD18 leukocyte integrin. *J Immunol* 1997, 158(2):928-936

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.