

Monoclonal Antibody to CD11a / ITGAL - FITC

Alternate names:	CD11 antigen-like family member A, Integrin alpha-L, LFA-1, LFA1, Leukocyte adhesion glycoprotein LFA-1 alpha chain, Leukocyte function-associated molecule 1 alpha chain
Catalog No.:	AM05882FC-N
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	CD11a is a member of the integrin family of cell adhesion molecules. It is a glycoprotein expressed in combination with the CD18 beta chain. The complex is a member of the beta 2 integrin family. These molecules function in cell adhesion and specifically bind to CD54, ICAM2, ICAM3. CD11a is expressed on thymocytes, T and B lymphocytes, granulocytes, monocytes, and macrophages.
Uniprot ID:	P61625
NCBI:	NP_937864.2
GeneID:	281874
Host / Isotype:	Mouse / IgG2b
Clone:	BL1H8
Immunogen:	Porcine alveolar macrophages.
Format:	State: Liquid purified Ig fraction. Purification: Affinity Chromatography on Protein G. Buffer System: Phosphate buffered saline pH 7.4, 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: Use 10 µl of neat antibody to label 10e6 cells in 100 µl. Functional Assays: Removal of Sodium Azide is recommended prior to use. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific for the porcine CD11a cell surface antigen, which is expressed on a range of cells including peripheral blood mononuclear cells, monocytes, granulocytes and alveolar macrophages. Clone BL1H8 is reported to inhibit Con-A driven T-cell proliferation and the mixed lymphocyte reaction (1). Species: Pig. Cross react with Bovine and Sheep. Other species not tested.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

Storage:

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
This product is photosensitive and should be protected from light.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:

1. Alvarez B, Doménech N, Alonso F, Sánchez C, Gómez del Moral M, Ezquerra A, et al. Molecular and functional characterization of porcine LFA-1 using monoclonal antibodies to CD11a and CD18. *Xenotransplantation*. 2000 Nov;7(4):258-66. PubMed PMID: 11081760.
2. Sánchez C, Doménech N, Vázquez J, Alonso F, Ezquerra A, Domínguez J. The porcine 2A10 antigen is homologous to human CD163 and related to macrophage differentiation. *J Immunol*. 1999 May 1;162(9):5230-7. PubMed PMID: 10227997.
3. Van de Walle GR, Favoreel HW, Nauwynck HJ, Mettenleiter TC, Pensaert MB. Transmission of pseudorabies virus from immune-masked blood monocytes to endothelial cells. *J Gen Virol*. 2003 Mar;84(Pt 3):629-37. PubMed PMID: 12604815.

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