

Product datasheet

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ARG55625 anti-CD11a / LFA1 alpha antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes CD11a / LFA1 alpha

Tested Reactivity Hu
Tested Application WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name CD11a / LFA1 alpha

Species Human

Immunogen KLH-conjugated synthetic peptide corresponding to aa. 722-751 (Center) of Human CD11a / LFA1 alpha.

Conjugation Un-conjugated

Alternate Names Leukocyte adhesion glycoprotein LFA-1 alpha chain; LFA-1A; LFA-1A; Integrin alpha-L; CD11A; Leukocyte

function-associated molecule 1 alpha chain; LFA-1; CD11 antigen-like family member A; CD antigen

CD11a

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|----------|
| | WB | 1:1000 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Positive Control | Jurkat | |

Properties

Form Liquid

Purification Purification with Protein A and immunogen peptide.

Buffer PBS and 0.09% (W/V) Sodium azide

Preservative 0.09% (W/V) Sodium azide

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links GeneID: 3683 Human

Swiss-port # P20701 Human

Gene Symbol ITGAL

Gene Full Name integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide)

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. [provided by RefSeq, Jul 2008]

Function Integrin alpha-L/beta-2 is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. It is involved in a variety of

immune phenomena including leukocyte-endothelial cell interaction, cytotoxic T-cell mediated killing,

and antibody dependent killing by granulocytes and monocytes. [UniProt]

Research Area Developmental Biology antibody; Immune System antibody; Signaling Transduction antibody

Calculated Mw 129 kDa

PTM In resting T-cells, up to 40% of surface ITGAL is constitutively phosphorylated. Phosphorylation causes

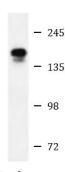
conformational changes needed for ligand binding and is necessary for activation by some physiological

agents.

Images



Western blot: 35 μg of Jurkat cell lysate stained with ARG55625 anti-CD11a / LFA1 alpha antibody.



Jurkat