

Polyclonal Antibody to Activated Leukocyte Cell Adhesion Molecule (ALCAM)

Activated Leukocyte Cell Adhesion Molecule

Catalog # AP74511

Product Information

Application	WB
Primary Accession	O46651
Reactivity	Rabbit
Host	Guinea Pig
Clonality	Polyclonal
Calculated MW	58113

Additional Information

Other Names	CD166; MEMD; Activated Leucocyte Cell Adhesion Molecule
Target/Specificity	Oryctolagus cuniculus (Rabbit)
Dilution	WB~~Western blotting: 0.5-2 μ g/mL; Immunohistochemistry: 5-20 μ g/mL; Immunocytochemistry: 5-20 μ g/mL; Optimal working dilutions must be determined by end user.
Format	PBS, pH7.4, containing 0.02% NaN ₃ , 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	ALCAM
Function	Cell adhesion molecule that mediates both heterotypic cell- cell contacts via its interaction with CD6, as well as homotypic cell- cell contacts. Promotes T-cell activation and proliferation via its interactions with CD6 (By similarity). Contributes to the formation and maturation of the immunological synapse via its interactions with CD6 (By similarity). Mediates homotypic interactions with cells that express ALCAM. Mediates attachment of dendritic cells onto endothelial cells via homotypic interaction. Inhibits endothelial cell migration and promotes endothelial tube formation via homotypic interactions. Required for normal organization of the lymph vessel network. Required for normal hematopoietic stem cell engraftment in the bone marrow. Plays a role in hematopoiesis; required for normal numbers of hematopoietic stem cells in bone marrow. Promotes in vitro osteoblast proliferation and differentiation (By similarity). Promotes neurite extension, axon growth and axon guidance; axons grow preferentially on surfaces that contain ALCAM (By similarity).

Mediates outgrowth and pathfinding for retinal ganglion cell axons (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q61490}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q61490} Cell projection, axon {ECO:0000250|UniProtKB:Q61490}. Cell projection, dendrite {ECO:0000250|UniProtKB:Q61490}. Note=Detected at the immunological synapse, i.e, at the contact zone between antigen- presenting dendritic cells and T-cells. Colocalizes with CD6 and the TCR/CD3 complex at the immunological synapse {ECO:0000250|UniProtKB:Q13740}

Images

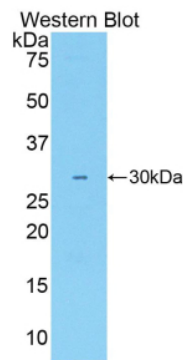


Figure. Western Blot; Sample: Recombinant ALCAM, Rabbit.

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