

For Research Use Only

Mouse ALCAM Recombinant antibody, PBS Only (Capture)

Catalog Number: 84528-1-PBS



Basic Information

Catalog Number: 84528-1-PBS	GenBank Accession Number: NM_009655.3	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 11658	CloneNo.: 241945A4
Source: Rabbit	UNIPROT ID: Q61490	
Isotype: IgG	Full Name: activated leukocyte cell adhesion molecule	
Immunogen Catalog Number: EG1524	Calculated MW: 65 kDa	
	Observed MW: 90-100 kDa	

Applications

Tested Applications:
WB, IHC, Cytometric bead array, Sandwich ELISA,
Indirect ELISA, Sample test

Species Specificity:
mouse

Background Information

Activated leukocyte cell adhesion molecule (ALCAM, also known as CD166) is a cell adhesion molecule that belongs to the immunoglobulin superfamily. It is involved in cell-cell adhesion through homophilic and heterophilic (to CD6) interactions. ALCAM is widely expressed in a variety of normal tissues. Altered ALCAM expression has been associated with the differentiation state and progression in some neoplasms including melanoma, prostate, colorectal, and breast cancers (PMID: 20461761; 18172759).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

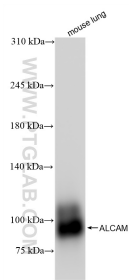
T: 4006900926

E: Proteintech-CN@ptglab.com

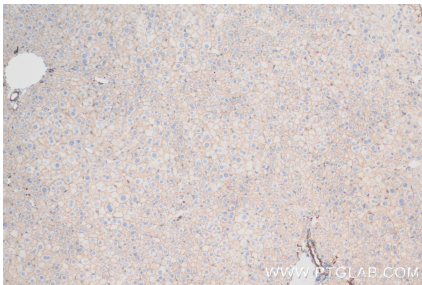
W: ptgcn.com

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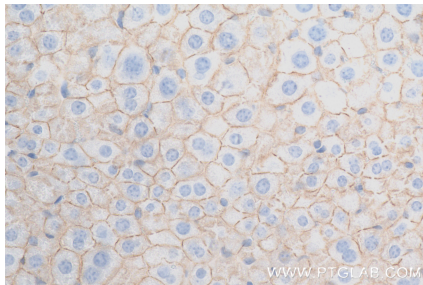
Selected Validation Data



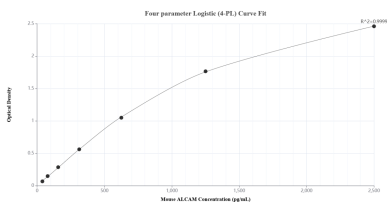
mouse lung tissue was subjected to SDS PAGE followed by western blot with 84528-1-RR (ALCAM antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84528-1-PBS in a different storage buffer formulation.



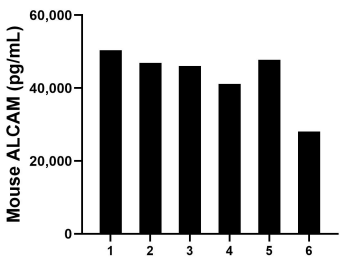
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 84528-1-RR (ALCAM antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84528-1-PBS in a different storage buffer formulation.



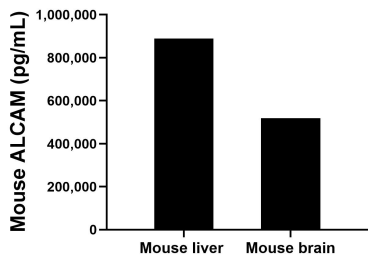
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 84528-1-RR (ALCAM antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84528-1-PBS in a different storage buffer formulation.



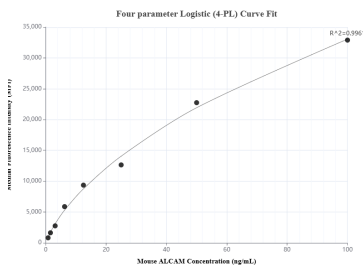
Sandwich ELISA standard curve of MP01379-1, Mouse ALCAM Recombinant Matched Antibody Pair - PBS only. 84528-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1524. 84528-3-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL



Serum of six mice was measured. The ALCAM concentration of detected samples was determined to be 43,380.5 pg/mL with a range of 28,091.3-50,380.4 pg/mL



The mean ALCAM concentration was determined to be 888,916.9 pg/mL in mouse liver tissue extract based on a 3.7 mg/mL extract load and 518,424.5 pg/mL in mouse brain tissue extract based on a 2.0 mg/mL extract load.



Cytometric bead array standard curve of MP01379-1, MOUSE ALCAM Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84528-1-PBS. Detection antibody: 84528-3-PBS. Standard: Eg1524. Range: 0.781-100 ng/mL