

For Research Use Only

ALCAM Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 86811-1-PBS



Basic Information

Catalog Number: 86811-1-PBS	GenBank Accession Number: BC137097	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 214	CloneNo.: 251789C7
Isotype: IgG	UNIPROT ID: Q13740	
Immunogen Catalog Number: EG5038	Full Name: activated leukocyte cell adhesion molecule	
	Calculated MW: 583 aa, 65 kDa	
	Observed MW: 100 kDa	

Applications

Tested Applications:
WB, Sandwich ELISA, Indirect ELISA

Species Specificity:
human

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:

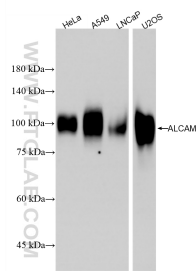
T: 4006900926

E: Proteintech-CN@ptglab.com

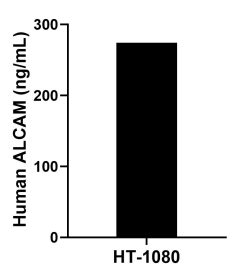
W: ptgcn.com

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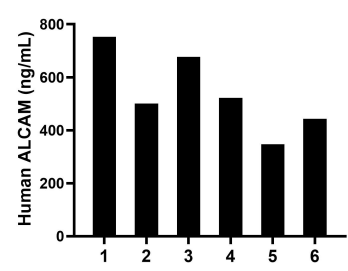
Selected Validation Data



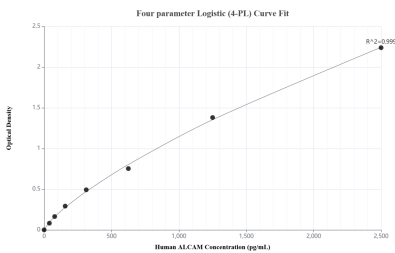
Various lysates were subjected to SDS PAGE followed by western blot with 86811-1-RR (ALCAM antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86811-1-PBS in a different storage buffer formulation.



The mean ALCAM concentration was determined to be 274.2 ng/mL in HT-1080 cell extract based on a 1.2 mg/mL extract load.



Plasma of six individual healthy human donors was measured. The ALCAM concentration of detected samples was determined to be 540.4 ng/mL with a range of 347.0-752.3 ng/mL.



Sandwich ELISA standard curve of MP02780-1, Human ALCAM Recombinant Matched Antibody Pair - PBS only. 86811-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg5038. 86811-1-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL.