

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
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 214	CloneNo.: 251789C7
Source: Rabbit	UNIPROT ID: Q13740	
Isotype: IgG	Full Name: activated leukocyte cell adhesion molecule	
Immunogen Catalog Number: EG5038	Calculated MW: 583 aa, 65 kDa	
	Observed MW: 100 kDa	

Applications

Tested Applications:
WB, Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

86811-1-PBS targets ALCAM as part of a matched antibody pair:

MP02780-1: 86811-3-PBS capture and 86811-1-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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).

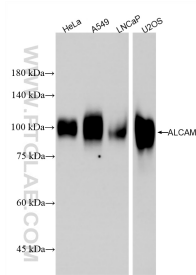
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

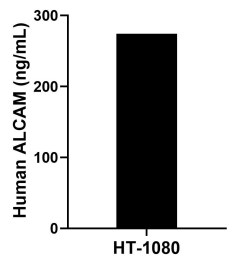
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

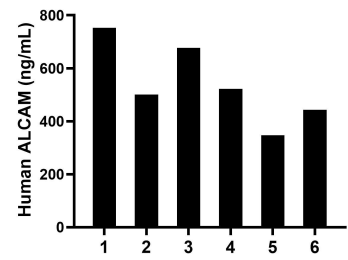
Selected Validation Data



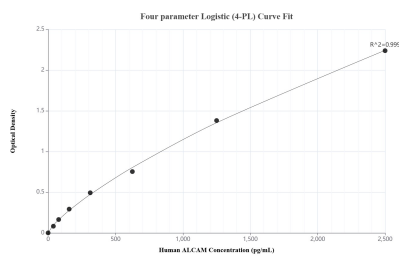
Various lysates were subjected to SDS PAGE followed by western blot with 86811-1-RR (ALCAM antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86811-1-PBS in a different storage buffer formulation.



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.