

For Research Use Only

# ICAM3/CD50 Polyclonal antibody, PBS Only

Catalog Number: 17699-1-PBS



## Basic Information

<b>Catalog Number:</b> 17699-1-PBS	<b>GenBank Accession Number:</b> BC058903	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3385	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P32942	
<b>Isotype:</b> IgG	<b>Full Name:</b> intercellular adhesion molecule 3	
<b>Immunogen Catalog Number:</b> AG11955	<b>Calculated MW:</b> 547 aa, 60 kDa	
	<b>Observed MW:</b> 110-160 kDa, 60 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IP, Indirect ELISA

**Species Specificity:**  
human

## Background Information

ICAM3 (Intercellular adhesion molecule 3) is also named as CD50, CDw50 and ICAM-R. ICAM3 is a member of the intercellular adhesion molecule (ICAM) family. ICAM3, being expressed constitutively on T cells and other leukocytes, is a potent signalling molecule and a major ligand in the initiation of T cell-mediated immune responses (PMID: 1448173, PMID: 11812993). ICAM3 is the natural ligand for both DC-SIGN and L-SIGN (PMID: 17570115). ICAM3 is abundantly and constitutively expressed in all leukocytes and is probably the most important ligand for LFA-1 in initiating immune responses, and ICAM3 is a typical type I transmembrane glycoprotein (PMID: 39991572). The promoter region of ICAM3 can be bound by co-transcription factors such as ETs and C/EBP, promoting macrophage maturation as well as monocyte extravasation (PMID: 22479382). ICAM3 is widely expressed not only in lymphocytes such as T and B cells but also in many endothelial cells and dendritic cells (PMID: 39991572).

## Storage

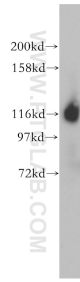
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

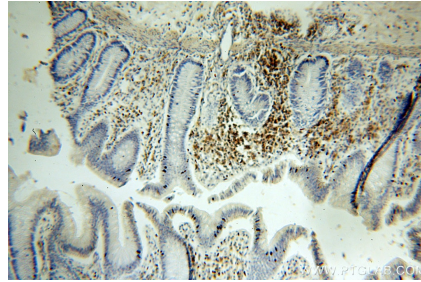
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

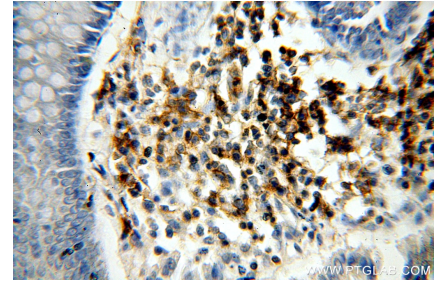
## Selected Validation Data



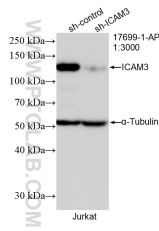
Jurkat cells were subjected to SDS PAGE followed by western blot with 17699-1-AP (ICAM3/CD50 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 17699-1-PBS in a different storage buffer formulation.



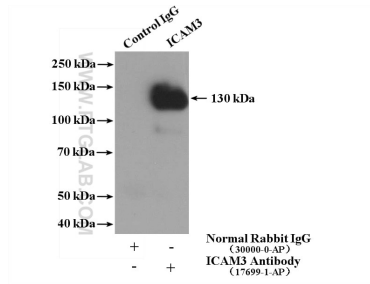
Immunohistochemical analysis of paraffin-embedded human colon using 17699-1-AP (ICAM3/CD50 antibody) at dilution of 1:100 (under 10x lens). This data was developed using the same antibody clone with 17699-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon using 17699-1-AP (ICAM3 antibody) at dilution of 1:100 (under 40x lens). This data was developed using the same antibody clone with 17699-1-PBS in a different storage buffer formulation.



WB result of ICAM3/CD50 antibody (17699-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ICAM3/CD50 transfected Jurkat cells. This data was developed using the same antibody clone with 17699-1-PBS in a different storage buffer formulation.



IP result of anti-ICAM3/CD50 (IP:17699-1-AP, 4ug; Detection:17699-1-AP 1:500) with Jurkat cells lysate 4000 ug. This data was developed using the same antibody clone with 17699-1-PBS in a different storage buffer formulation.