

For Research Use Only

ICAM3/CD50 Polyclonal antibody

Catalog Number: 17699-1-AP

Featured Product



Basic Information

Catalog Number:

17699-1-AP

Concentration:

350 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11955

GenBank Accession Number:

BC058903

GeneID (NCBI):

3385

UNIPROT ID:

P32942

Full Name:

intercellular adhesion molecule 3

Calculated MW:

547 aa, 60 kDa

Observed MW:

110-160 kDa, 60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2400

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:20-1:200

Applications

Tested Applications:

WB, IHC, IP, ELISA

Species Specificity:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Jurkat cells, U-937 cells, Ramos cells

IP : Jurkat cells,

IHC : human colon tissue,

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

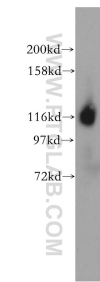
T: 4006900926

E: Proteintech-CN@ptglab.com

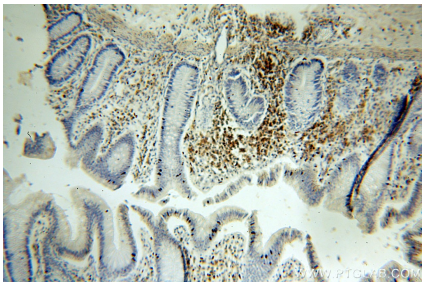
W: ptgcn.com

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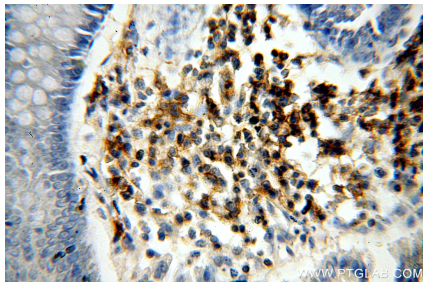
Selected Validation Data



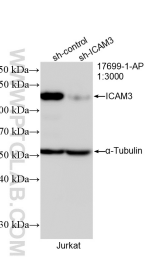
Jurkat cells were subjected to SDS PAGE followed by western blot with 17699-1-AP (ICAM3/CD50 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



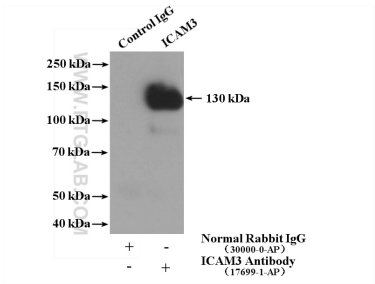
Immunohistochemical analysis of paraffin-embedded human colon using 17699-1-AP (ICAM3/CD50 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon using 17699-1-AP (ICAM3 antibody) at dilution of 1:100 (under 40x lens).



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.



IP result of anti-ICAM3/CD50 (IP:17699-1-AP, 4ug; Detection:17699-1-AP 1:500) with Jurkat cells lysate 4000 ug.