

For Research Use Only

ICAM-1/CD54 Monoclonal antibody

Catalog Number: 60299-1-Ig

Featured Product

57 Publications



Basic Information

Catalog Number:

60299-1-Ig

Concentration:

1100 ug/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG8309

GenBank Accession Number:

BC015969

GeneID (NCBI):

3383

ENSEMBL Gene ID:

ENSG00000090339

UNIPROT ID:

P05362

Full Name:

intercellular adhesion molecule 1

Calculated MW:

90 kDa

Observed MW:

85-95 kDa

Purification Method:

Protein A purification

CloneNo.:

2F9A8

Recommended Dilutions:

WB: 1:5000-1:50000

IHC: 1:50-1:500

IF-P: 1:200-1:800

IF/ICC: 1:400-1:1600

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

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: L02 cells, Daudi cells, HeLa cells, Raji cells, Ramos cells, HepG2 cells

IHC: human tonsillitis tissue,

IF-P: human tonsillitis tissue, human lung cancer tissue

IF/ICC: Raji cells,

Background Information

ICAM-1 (CD54) is a 90-kDa transmembrane glycoprotein of the immunoglobulin superfamily and is critical for the firm attachment and transmigration of leukocytes out of blood vessels and into tissues (PMID: 19307690). ICAM-1 is expressed by several cell types, typically on endothelial cells and cells of the immune system, and its expression can be up-regulated by various stimuli, including TNF- α , INF- γ , IL-1 and thrombin (PMID: 3086451; 9694714; 15979056). It is a ligand for LFA-1 and Mac-1, serves as a receptor for rhinovirus, and is one of several receptors used by Plasmodium falciparum (PMID: 2566624; 2538244; 2475784).

Notable Publications

Author	Pubmed ID	Journal	Application
Zhuqing Li	34607159	Redox Biol	IF
Yisong Qian	34549987	J Virol	WB
Tong Lin	33002827	Phytomedicine	WB

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:

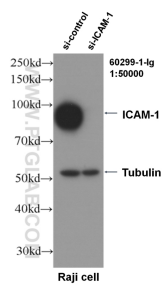
T: 4006900926

E: Proteintech-CN@ptglab.com

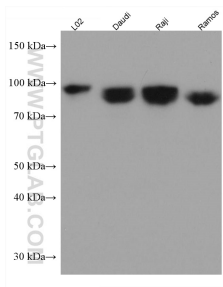
W: ptgcn.com

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

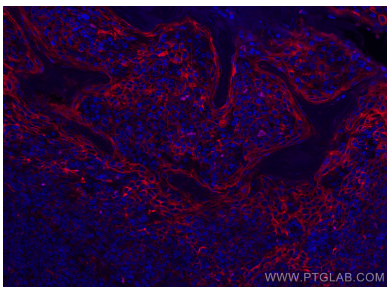
Selected Validation Data



WB result of ICAM1 antibody (60299-1-Ig, 1:50,000) with si-Control and si-ICAM1 transfected Raji cells.



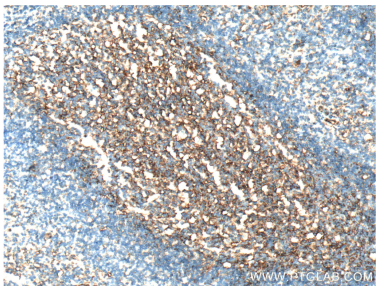
Various lysates were subjected to SDS PAGE followed by western blot with 60299-1-Ig (ICAM-1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



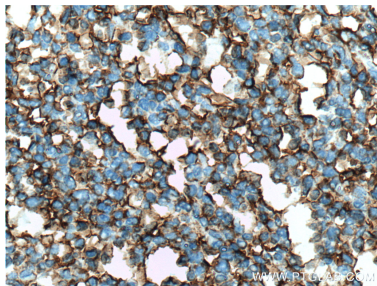
Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using ICAM-1/CD54 antibody (60299-1-Ig, Clone: 2F9A8) at dilution of 1:400 and Cy3-conjugated Goat Anti-Mouse IgG(H+L) (SA00009-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed Raji cells using ICAM-1 antibody (60299-1-Ig, Clone: 2F9A8) at dilution of 1:800 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60299-1-Ig (ICAM-1 Antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60299-1-Ig (ICAM-1 Antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).