

For Research Use Only

ICAM-1/CD54 Monoclonal antibody

Catalog Number: 60299-1-Ig

Featured Product

52 Publications



Basic Information

| | | |
|--|--|--|
| Catalog Number: 60299-1-Ig | GenBank Accession Number: BC015969 | Purification Method: Protein A purification |
| Size: 1100 ug/ml | GeneID (NCBI): 3383 | CloneNo.: 2F9A8 |
| Source: Mouse | ENSEMBL Gene ID: ENSG00000090339 | Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500 IF-P 1:50-1:500 IF/ICC 1:400-1:1600 |
| Isotype: IgG2b | UNIPROT ID: P05362 | |
| Immunogen Catalog Number: AG8309 | Full Name: intercellular adhesion molecule 1 | |
| | Calculated MW: 90 kDa | |
| | Observed MW: 85-95 kDa | |

Applications

| | |
|---|--|
| Tested Applications: WB, IHC, IF/ICC, IF-P, ELISA | Positive Controls: WB : L02 cells, Daudi cells, HeLa cells, Raji cells, Ramos cells, HepG2 cells |
| Cited Applications: WB, IHC, IF | IHC : human tonsillitis tissue, |
| Species Specificity: human | IF-P : human lung cancer tissue, Raji cells |
| Cited Species: human | IF/ICC : Raji cells, |

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

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 pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

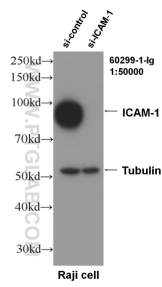
T: 4006900926

E: Proteintech-CN@ptglab.com

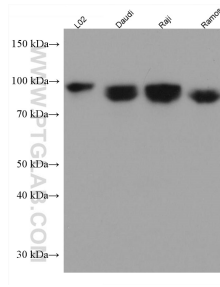
W: ptgcn.com

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

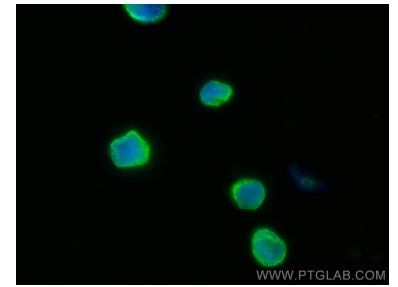
Selected Validation Data



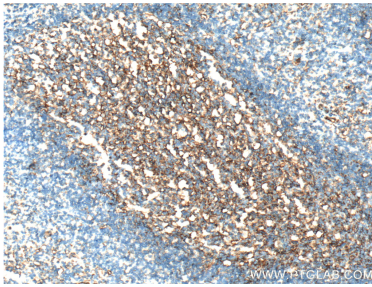
WB result of ICAM1 antibody (60299-1-Ig, 1:50,000) with si-Control and si-ICAM1 transfected Raji cells.



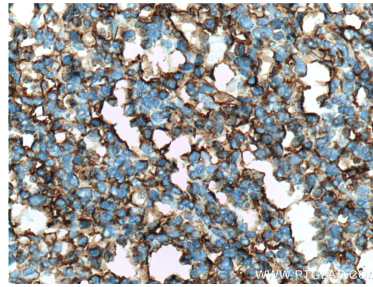
Various lysates were subjected to SDS PAGE followed by western blot with 60299-1-Ig (ICAM-1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



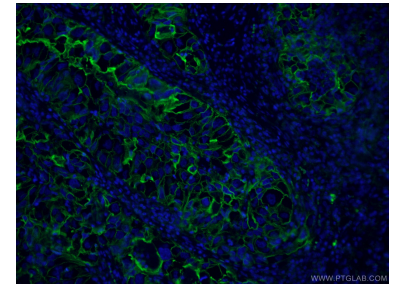
Immunofluorescent analysis of (4% PFA) fixed Raji cells using ICAM-1 antibody (60299-1-Ig, Clone: 2F9A8) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).



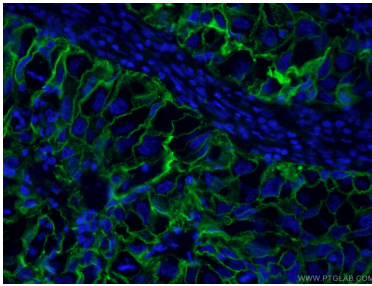
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60299-1-Ig (ICAM-1 Antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using 60299-1-Ig (ICAM-1 antibody) at dilution of 1:200 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using 60299-1-Ig (ICAM-1 antibody) at dilution of 1:200 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).