

For Research Use Only

ICAM-1/CD54 Monoclonal antibody, PBS Only

Catalog Number: 60299-1-PBS

Featured Product



Basic Information

Catalog Number: 60299-1-PBS	GenBank Accession Number: BC015969	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 3383	CloneNo.: 2F9A8
Source: Mouse	ENSEMBL Gene ID: ENSG00000090339	
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, Indirect ELISA

Species Specificity:
human

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).

Storage

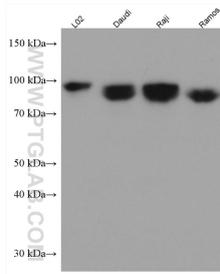
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

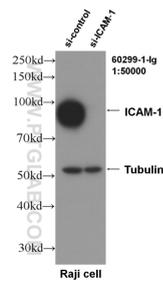
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

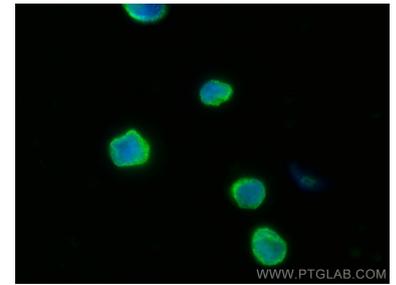
Selected Validation Data



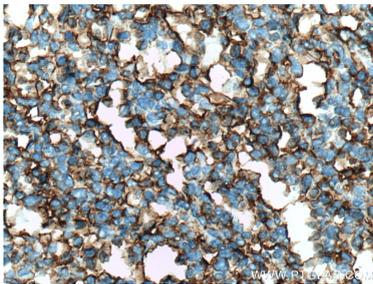
Various lysates were subjected to SDS PAGE followed by western blot with 60299-1-Ig (ICAM-1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60299-1-PBS in a different storage buffer formulation.



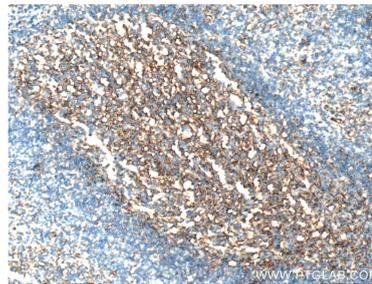
WB result of ICAM1 antibody (60299-1-Ig, 1:50,000) with si-Control and si-ICAM1 transfected Raji cells. This data was developed using the same antibody clone with 60299-1-PBS in a different storage buffer formulation.



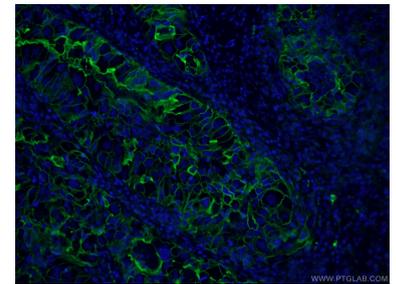
Immunofluorescent analysis of (4% PFA) fixed Raji cells using ICAM-1 antibody (60299-1-Ig, Clone: 2F9A8) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). This data was developed using the same antibody clone with 60299-1-PBS in a different storage buffer formulation.



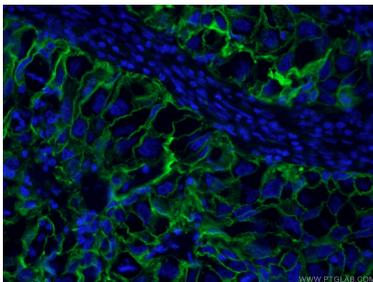
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60299-1-Ig (ICAM-1 Antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60299-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 60299-1-PBS in a different storage buffer formulation.



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 Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 60299-1-PBS in a different storage buffer formulation.



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 Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 60299-1-PBS in a different storage buffer formulation.