

ICAM-1 Polyclonal Antibody

Catalog number: 10831-1-AP

Size: 51 µg/150 µl

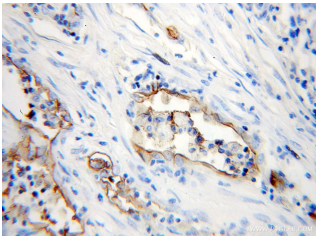
Source: Rabbit

Isotype: IgG

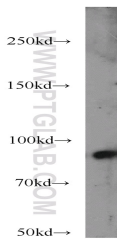
Synonyms:

ICAM1; BB2, CD54, ICAM 1,

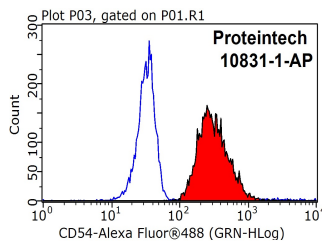
ICAM1, P3.58



Immunohistochemical of paraffin-embedded human lung cancer using 10831-1-AP (ICAM-1 antibody) at dilution of 1:50 (under 25x lens)



L02 cells were subjected to SDS PAGE followed by western blot with 10831-1-AP (ICAM-1 antibody) at dilution of 1:800



1X10⁶ Raji cells were stained with 0.2µg ICAM-1 antibody (10831-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.

Background

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).

Read more about this antibody on the blog: <http://blog.ptglab.com/index.php/tracking-cancer-vascularization-and-progression-with-proteintechs-icam-1-antibody/>

Applications

Tested applications:	ELISA, WB, IHC, IP, FC
Cited applications:	IHC, WB
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Bovine, human, mouse
Calculated ICAM-1 MW:	90 kDa
Observed ICAM-1 MW:	85-95 kDa
Positive WB detected in	L02 cells, mouse liver tissue, Raji cells
Positive IP detected in	Raji cells
Positive IHC detected in	Human lung cancer tissue, human liver cancer tissue, human tonsillitis tissue
Positive FC detected in	Raji cells
Recommended dilution:	WB: 1:200-1:2000 IP: 1:500-1:5000 IHC: 1:20-1:200 FC: N/A

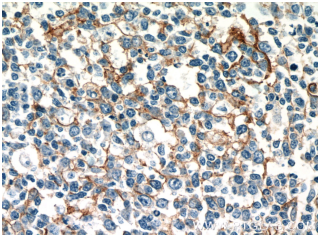
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

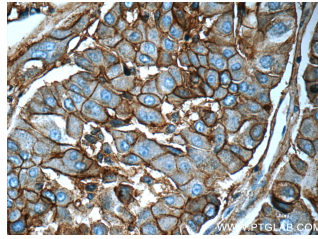
Immunogen:	Ag1188
GenBank accession number:	BC015969
Gene ID (NCBI):	3383
Full name:	Intercellular adhesion molecule 1

Product information

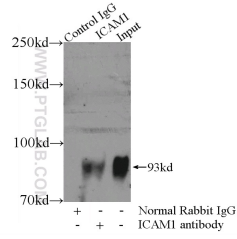
Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



Immunohistochemistry of paraffin-embedded human tonsillitis tissue slide using 10831-1-AP (ICAM-1 Antibody) at dilution of 1:50 (under 40x lens)



Immunohistochemistry of paraffin-embedded human liver cancer tissue slide using 10831-1-AP (ICAM-1 Antibody) at dilution of 1:50 (under 40x lens)



IP Result of anti-ICAM-1 (IP:10831-1-AP, 4ug; Detection:10831-1-AP 1:1000) with Raji cells lysate 1320ug.