Product datasheet Anti-ICAM1 Antibody Catalog Number: A00171



Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.

Web: www.boster.com Phone: 027-67845390/1/2 Email: boster@boster.com

Basic Inform		
Product Name	Anti-ICAM1 Antibody	
Gene Name	ICAM1	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF, FCM	
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.	
Immunogen	E. coli-derived human ICAM1 recombinant protein (Position: Q28-R268). Human ICAM1 shares 55.5% and 55.8% amino acid (aa) sequence identity with mouse and rat ICAM1, respectively.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	90-110 kDa	
Dilution Ratios	Western blot (WB): Immunohistochemistry (IHC): Immunocytochemistry/Immunofluorescence (ICC/IF): Flow Cytometry (Fixed): (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,ormins is required for the staining of formalin/paraffin sections determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

CD54, also known as ICAM-1. Intercellular adhesion molecule-1 (ICAM1) is a ligand for lymphocyte function-associated (LFA) antigens. ICAM-1 is an integral membrane protein, a member of the immunoglobulin superfamily, and a ligand for LFA-1, a beta 2 leukocyte integrin. This protein is the major human rhinovirus receptor. The ICAM1 gene is mapped to human chromosome 19. In humans, lymphocyte adhesion to cells is mediated by the protein heterodimer CD11a/CD18 (Leu-CAMa, LFA-1) and its ligand CD54 (ICAM-1).



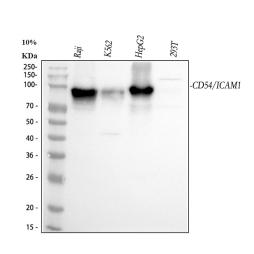
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Reference

Anti-ICAM1 Antibody被引用在39文献中。

Selected Validation Data



Western blot analysis of ICAM1 using anti-ICAM1 antibody (A00171). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

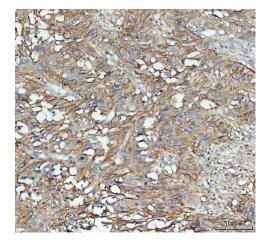
Lane 1: human Raji whole cell lysates,

Lane 2: human K562 whole cell lysates,

Lane 3: human HepG2 whole cell lysates,

Lane 4: human 293T whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-ICAM1 antigen affinity purified polyclonal antibody (A00171) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for ICAM1 at approximately 90-110 kDa. The expected band size for ICAM1 is at 59 kDa.



IHC analysis of ICAM1 using anti-ICAM1 antibody (A00171) .
ICAM1 was detected in a paraffin-embedded section of human bladder

urothelial carcinoma tissue. The tissue section was incubated with rabbit anti-ICAM1 Antibody (A00171) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.

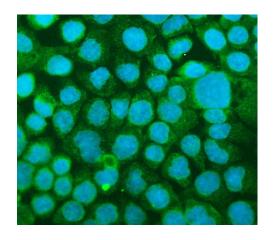
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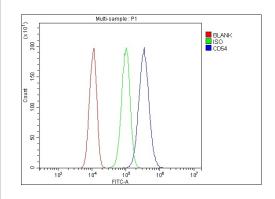
BOSTER BIOLOGICAL TECHNOLOGY

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IF analysis of ICAM1 using anti-ICAM1 antibody (A00171). ICAM1 was detected in an immunocytochemical section of A431 cells. The section was incubated with rabbit anti-ICAM1 Antibody (A00171) at a dilution of 1:100. DyLight®488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).



Flow Cytometry analysis of PC-3 cells using anti-ICAM1 antibody (A00171). Overlay histogram showing PC-3 cells stained with A00171 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ICAM1 Antibody (A00171) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.