Anti-ICAM1 Antibody

Catalog Number: *A00171-2*

BOSTER
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Basic Information

Product Name	Anti-ICAM1 Antibody
Gene Name	ICAM1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, FCM, ELISA
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: D53-K519).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	90-110 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA):1:100-1000

Storage

12 months from date of receipt，-20℃ 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).

Reference

Anti-ICAM1 Antibody被引用在7文献中。

Selected Validation Data

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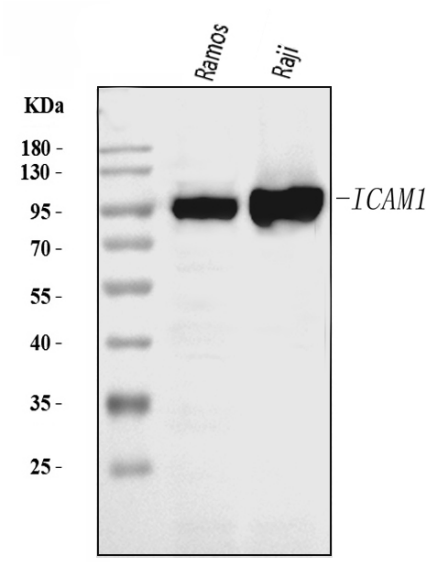
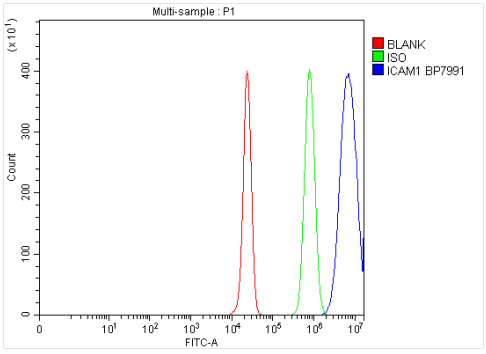


Western blot analysis of ICAM1 using anti-ICAM1 antibody (A00171-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: RAMOS whole cell lysates,
Lane 2: Raji whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-ICAM1 antigen affinity purified polyclonal antibody (A00171-2) 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 58 kDa.



Flow Cytometry analysis of HepG2 cells using anti-ICAM1 antibody (A00171-2).
Overlay histogram showing HepG2 cells stained with A00171-2 (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 (A00171-2) 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.