

## Basic Information

Product Name	Anti-ICAM1 Antibody	
Gene Name	Icam1	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	mouse	
Tested Application	WB, IHC, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.	
Immunogen	E.coli-derived mouse Icam1 recombinant protein (Position: K53-P537).	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	90-110 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-400
	Enzyme linked immunosorbent assay (ELISA):	1:100-1000

## Storage

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

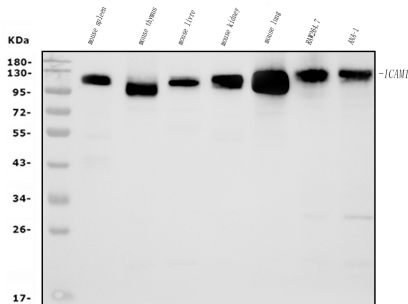
## Background Information

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).

## Reference

Anti-ICAM1 Antibody被引用在5文献中。

## Selected Validation Data



Western blot analysis of ICAM1 using anti-ICAM1 antibody (A00171-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: Mouse spleen tissue lysates,

Lane 2: mouse thymus tissue lysates,

Lane 3: Mouse liver tissue lysates,

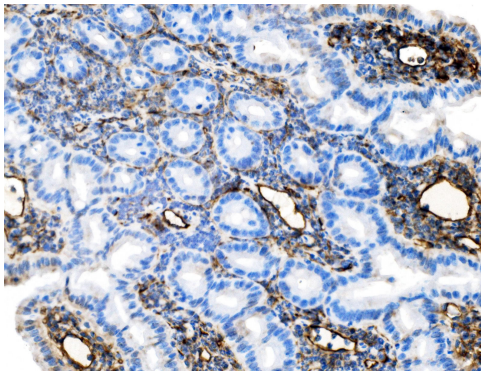
Lane 4: Mouse kidney tissue lysates,

Lane 5: Mouse lung tissue lysates,

Lane 6: Mouse RAW264.7 whole cell lysates,

Lane 7: Mouse ANA-1 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 (A00171-1) 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 (A00171-1).

ICAM1 was detected in a paraffin-embedded section of mouse intestine tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-ICAM1 Antibody (A00171-1) at a dilution of 1:200 and developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.