

**Anti-ICAM-1 Antibody**  
**Catalog # ABO11743****Specification**

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**Anti-ICAM-1 Antibody - Product Information**

Application	IHC
Primary Accession	<a href="#">P13597</a>
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Intercellular adhesion molecule 1(ICAM1) detection. Tested with WB, IHC-P in Mouse;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-ICAM-1 Antibody - Additional Information**

**Gene ID** 15894

**Other Names**

Intercellular adhesion molecule 1, ICAM-1, MALA-2, MyD10, CD54, Icam1, Icam-1

**Calculated MW**

58844 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Mouse, Rat, By Heat<br>Western blot, 0.1-0.5 µg/ml, Mouse, Rat<br>

**Subcellular Localization**

Membrane; Single-pass type I membrane protein.

**Tissue Specificity**

Expressed at low level on a subpopulation of lymphocytes, macrophages, and endothelial cells, but is strongly induced on these cells, and on fibroblasts and epithelial cells.

**Protein Name**

Intercellular adhesion molecule 1

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**Immunogen**

E.coli-derived mouse ICAM1 recombinant protein (Position: G198-P537). Mouse ICAM1 shares 74% amino acid (aa) sequence identity with rat ICAM1.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

**Storage**

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

**Sequence Similarities**

Belongs to the immunoglobulin superfamily. ICAM family.

**Anti-ICAM-1 Antibody - Protein Information**

**Name** Icam1

**Synonyms** Icam-1

**Function**

ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). During leukocyte trans-endothelial migration, ICAM1 engagement promotes the assembly of endothelial apical cups through ARHGEF26/SGEF and RHOG activation (By similarity).

**Cellular Location**

Membrane; Single-pass type I membrane protein.

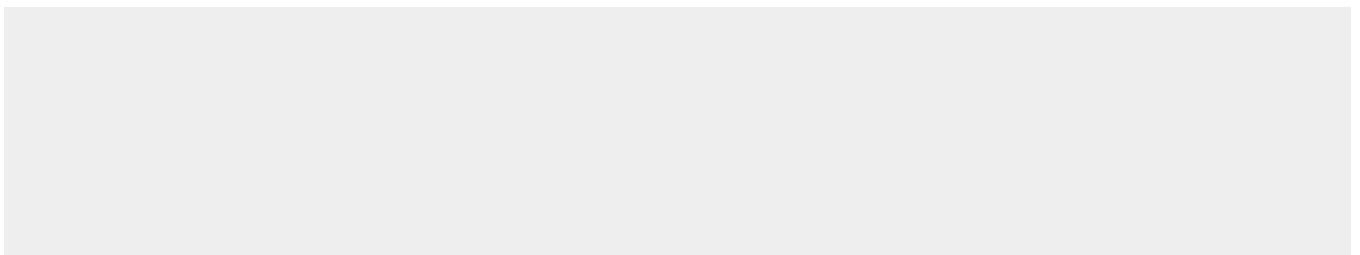
**Tissue Location**

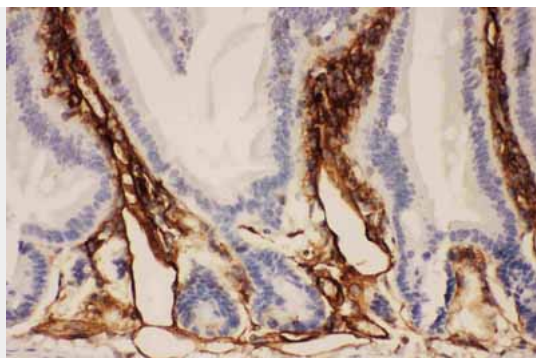
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**Anti-ICAM-1 Antibody - Protocols**

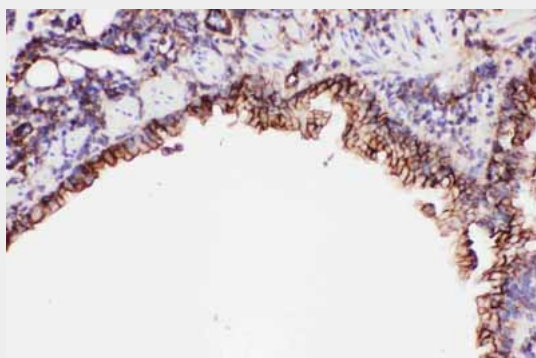
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

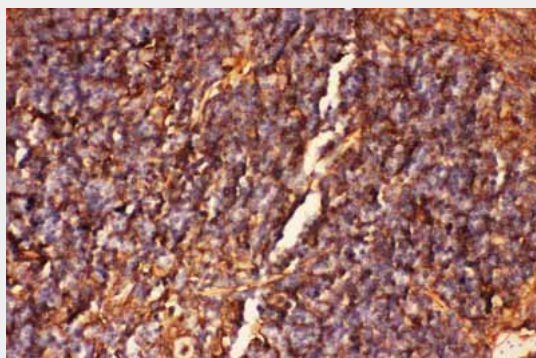
**Anti-ICAM-1 Antibody - Images**



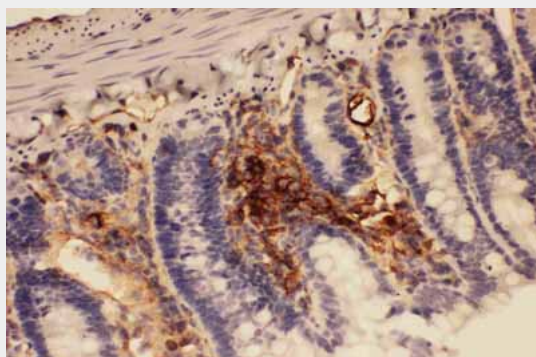
Anti-ICAM1 Picoband antibody, ABO11743-1.JPGIHC(P): Mouse Intestine Tissue



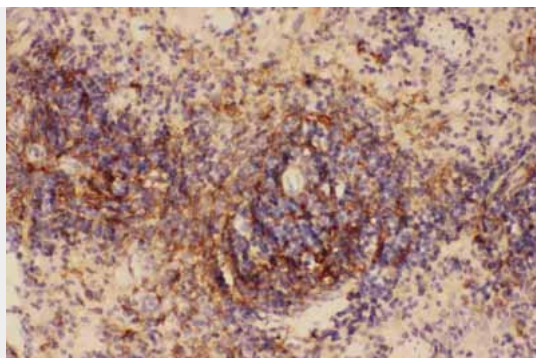
Anti-ICAM1 Picoband antibody, ABO11743-2.JPGIHC(P): Mouse Lung Tissue



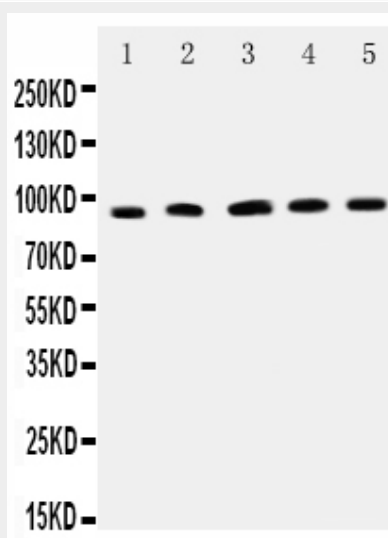
Anti-ICAM1 Picoband antibody, ABO11743-3.JPGIHC(P): Mouse Spleen Tissue



Anti-ICAM1 Picoband antibody, ABO11743-4.JPGIHC(P): Rat Intestine Tissue



Anti-ICAM1 Picoband antibody, ABO11743-5.JPGIHC(P): Rat Spleen Tissue



Anti-ICAM1 Picoband antibody, ABO11743-6.jpgAll lanes: Anti-ICAM1(ABO11743) at 0.5ug/mlLane 1: Rat Thymus Tissue Lysate at 40ugLane 2: Rat Spleen Tissue Lysate at 40ugLane 3: PC12 Whole Cell Lysate at 40ugLane 4: NRK Whole Cell Lysate at 40ugLane 5: RH35 Whole Cell Lysate at 40ugPredicted bind size: 58KDObserved bind size: 90KD

### Anti-ICAM-1 Antibody - Background

Intercellular adhesion molecule-1 (ICAM-1) is an integral membrane protein, a member of the immunoglobulin superfamily, and a ligand for lymphocyte function-associated (LFA) antigens, a beta 2 leukocyte integrin. The normal function of human ICAM-1 is to provide adhesion between endothelial cells and leukocytes after injury or stress. ICAM-1 binds to leukocyte function-associated antigen (LFA-1) or macrophage-1 antigen (Mac-1). It is found on leukocytes, fibroblasts, epithelial cells and endothelial cells and its expression is regulated by inflammatory cytokines. ICAM-1 has a tissue distribution similar to that of the major histocompatibility complex class II antigens and is likely to play a role in inflammatory responses.