Product datasheet

# Anti-ICAM1 Antibody

**Catalog Number: *PB9018***

BOSTER
antibody and ELISA experts
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## Basic Information

| | |
|---|---|
| **Product Name** | Anti-ICAM1 Antibody |
| **Gene Name** | ICAM1 |
| **Source** | Rabbit |
| **Isotype** | IgG |
| **Species Reactivity** | mouse, rat |
| **Tested Application** | WB, IHC |
| **Contents** | 500 ug/ml antibody with PBS， 0.02% NaN3 , 1 mg BSA and 50% glycerol. |
| **Immunogen** | E.coli-derived mouse ICAM1 recombinant protein (Position: G198-P537). Mouse ICAM1 shares 74% amino acid (aa) sequence identity with rat ICAM1. |
| **concentration** | 500 ug/ml |
| **Purification** | Immunogen affinity purified. |
| **Observed MW** | 90-110KD |
| **Dilution Ratios** | Western blot(WB): 1:500-2000<br>Immunohistochemistry in paraffin section (IHC): 1:50-400<br>(Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user. |

## Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

## Background Information

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.

## Reference

Anti-ICAM1 Antibody被引用在2文献中。

## Selected Validation Data

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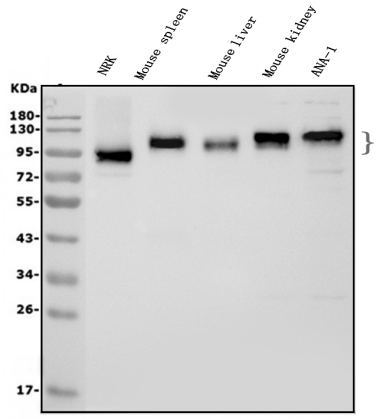


Figure 1. Western blot analysis of anti- ICAM1 antibody (PB9018). The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: rat NRK whole cell lysates,Lane 2: mouse spleen tissue lysates,Lane 3: mouse liver tissue lysates,Lane 4: mouse kidney tissue lysates,Lane 5: Human hepg2 whole cell lysates,Lane 6: mouse ANA-1 whole cell lysates.Use rabbit anti-ICAM1 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for ICAM1 at approximately 90-110KD. The expected band size for ICAM1 is at 58KD.

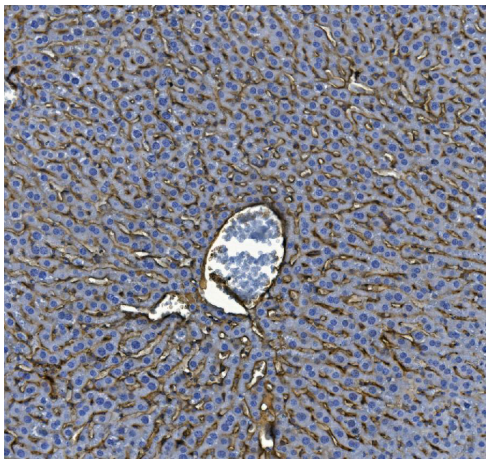

Figure 2.IHC analysis using anti- ICAM1 antibody (PB9018). detected in paraffin-embedded section of mouse liver tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.