

## ICAM-1 Polyclonal Antibody

**CATALOG #:** 3422R-100

**LOT #:** \_\_\_\_\_

**HOST:** Rabbit

**IMMUNOGEN:** Synthetic peptide surrounding amino acid 530 of rat ICAM-1 (Internal ID# BV-D35G)

**SPECIES REACTIVITY:** Human, Mouse, Rat

**FORMULATION:**

100 µg (0.5 mg/ml) purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA and 0.01% thimerosal.

**STORAGE CONDITIONS:**

Store at -20°C. For long-term storage, aliquot and refreeze at -70°C. Avoid repeated freeze/thaw cycles.

**DESCRIPTION:**

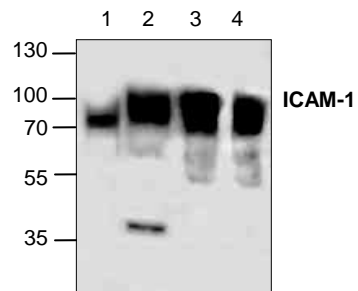
Cell adhesion molecules (CAMs) are a family of closely related cell surface glycoproteins involved in cell-cell interactions during growth and are thought to play an important role in embryogenesis and development. The family contains NCAM (for neuronal cell adhesion molecule), ICAM (for intercellular adhesion molecule), VCAM (vascular cell adhesion molecule), PECAM-1 (platelet/endothelial cell adhesion molecule-1), etc. ICAM-1, also referred to as CD54, is an integral membrane protein of the immunoglobulin superfamily and recognizes the B2a1 and B2aM integrins.

**SPECIFICITY:**

The antibody recognizes ~89-92 kDa ICAM-1 in samples from human, mouse and rat origins.

**APPLICATIONS:**

The antibody can be used in Western blotting (0.5-4 µg/ml) and Immunohistochemistry (conditions to be optimized by customer) studies. However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 3422RBP-50) is available separately.



**Cat. #: 3422R-100**  
Western blot analysis of ICAM-1 using lysates from rat kidney (Lane 1), 3T3 cells (Lane 2) and Jurkat cells (Lane 3 & 4).

**RELATED PRODUCTS:**

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- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- DNA Damage Quantification Kit
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- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies

**FOR RESEARCH USE ONLY! Not to be used on humans.**