

## Anti-ICAM1 Antibody Picoband® FITC Conjugated

Catalog Number: PB9018-FITC

### About Icam1

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.

### Overview

Product Name	Anti-ICAM1 Antibody Picoband® FITC Conjugated
Reactive Species	Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P13597

### Technical Details

Immunogen	E.coli-derived mouse ICAM1 recombinant protein (Position: G198-P537). Mouse ICAM1 shares 74% amino acid (aa) sequence identity with rat ICAM1.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	FITC Excitation Wavelength: 495 nm Emission Wavelength: 525 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

## 48 Publications Citing This Product

1. PubMed ID: 10.1089/ars.2019.7840, Silencing of central (Pro)renin receptor ameliorates salt-induced renal injury in CKD
2. PubMed ID: 10.1007/s10753-014-9812-6, Treatment of Low Molecular Weight Heparin Inhibits Systemic Inflammation and Prevents Endotoxin-Induced Acute Lung Injury in Rats
3. PubMed ID: 10.1002/cbf.1523, Inhibitory effect of mesenchymal stem cells on lymphocyte proliferation

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