

## ICAM2/CD102 Polyclonal antibody

Catalog Number: 31950-1-AP

## Basic Information

## Catalog Number:

31950-1-AP

## Size:

400 ug/ml

## Source:

Rabbit

## Isotype:

IgG

## GenBank Accession Number:

NM\_010494.2

## GeneID (NCBI):

15896

## UNIPROT ID:

P35330

## Full Name:

intercellular adhesion molecule 2

## Calculated MW:

31kDa

## Observed MW:

45-55 kDa

## Purification Method:

Antigen affinity Purification

## Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

## Applications

## Tested Applications:

WB, IP, ELISA

## Species Specificity:

mouse

## Positive Controls:

WB : mouse lung tissue, rat lung tissue

IP : bEnd.3 cells,

## Background Information

Intercellular adhesion molecule 2 (ICAM2) is also named CD102. ICAM2 is a type I transmembrane glycoprotein containing two immunoglobulin-like domains, which are crucial to lymphocyte recirculation and mediate cell survival signals via pathways associated with LFA-1 (PMID: 2497351, PMID: 11825565). ICAM2 has been reported to be a mediator for a survival signal sufficient to block apoptosis by activation of the PI3K/AKT pathway (PMID: 11825565). ICAM2 is a cell adhesion protein having important roles in cell migration, especially during inflammation when leukocytes cross the endothelium. Initially described as a receptor for lymphocyte function-associated antigen-1 (LFA1), ICAM2 may play a role in lymphocyte recirculation by blocking LFA-1-dependent cell adhesion. It mediates adhesive interactions important for antigen-specific immune response, NK-cell mediated clearance, lymphocyte recirculation, and other cellular interactions important for immune response and surveillance. ICAM2 has six N-linked glycosylation sites at amino acids (asparagines) 47, 82, 105, 153, 178 and 187.

## Storage

## Storage:

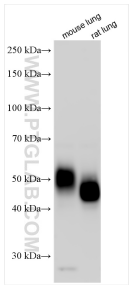
Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

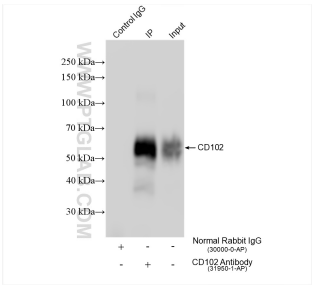
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31950-1-AP (ICAM2/CD102 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-ICAM2/CD102 (IP:31950-1-AP, 4ug; Detection:31950-1-AP 1:4000) with bEnd.3 cells lysate 720 ug.