

For Research Use Only

# PE-conjugated ICAM-1/CD54 Monoclonal antibody

Catalog Number: PE-60299

Featured Product



## Basic Information

**Catalog Number:**

PE-60299

**Size:**

100ul , Concentration: 200 µg/ml by  
Nanodrop;

**Source:**

Mouse

**Isotype:**

IgG2b

**Immunogen Catalog Number:**

AG8309

**GenBank Accession Number:**

BC015969

**GeneID (NCBI):**

3383

**ENSEMBL Gene ID:**

ENSG00000090339

**UNIPROT ID:**

P05362

**Full Name:**

intercellular adhesion molecule 1

**Calculated MW:**

90 kDa

**Observed MW:**

85-95 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

2F9A8

**Recommended Dilutions:**

IF-P 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

496 nm, 565 nm / 578 nm

## Applications

**Tested Applications:**

IF-P

**Species Specificity:**

human

**Positive Controls:**

IF-P : human tonsillitis tissue,

## Background Information

ICAM-1 (CD54) is a 90-kDa transmembrane glycoprotein of the immunoglobulin superfamily and is critical for the firm attachment and transmigration of leukocytes out of blood vessels and into tissues (PMID: 19307690). ICAM-1 is expressed by several cell types, typically on endothelial cells and cells of the immune system, and its expression can be up-regulated by various stimuli, including TNF- $\alpha$ , INF- $\gamma$ , IL-1 and thrombin (PMID: 3086451; 9694714; 15979056). It is a ligand for LFA-1 and Mac-1, serves as a receptor for rhinovirus, and is one of several receptors used by Plasmodium falciparum (PMID: 2566624; 2538244; 2475784).

## Storage

**Storage:**

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.09% sodium azide and 0.5% BSA.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

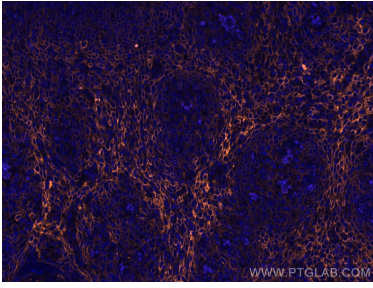
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using PE ICAM-1/CD54 antibody (PE-60299, Clone: 2F9A8 ) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).