

**ICAM1 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP8656b****Specification**

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**ICAM1 Antibody (C-term) - Product Information**

Application	FC, WB,E
Primary Accession	<a href="#">P05362</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	488-514

**ICAM1 Antibody (C-term) - Additional Information****Gene ID** 3383**Other Names**

Intercellular adhesion molecule 1, ICAM-1, Major group rhinovirus receptor, CD54, ICAM1

**Target/Specificity**

This ICAM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 488-514 amino acids from the C-terminal region of human ICAM1.

**Dilution**

FC~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ICAM1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ICAM1 Antibody (C-term) - Protein Information****Name** ICAM1 ([HGNC:5344](#))

**Function** Cell adhesion molecule that functions as a receptor ligand of the signaling receptor ITGAL:ITGB2/LFA-1 (lymphocyte-function associated (LFA) molecule 1) ensuring leukocyte cell-cell

adhesion, by providing a calibrated system to namely adjust T-cell killing to the antigen stimulation strength (PubMed:[3086451](#), PubMed:[3340213](#), PubMed:[38195629](#)). Also functions as a ligand receptor of the signaling receptor ITGAM:ITGB2/MAC-1 ensuring adhesion between stimulated neutrophils and stimulated endothelial cells (PubMed:[1980124](#)). During leukocyte trans-endothelial migration, ICAM1 engagement promotes the assembly of endothelial apical cups through ARHGEF26/SGEF and RHOG activation (PubMed:[17875742](#)). Promotes cell aggregation in epithelial cells through interaction with MUC1 (PubMed:[11173916](#)).

#### Cellular Location

Cell membrane; Single-pass type I membrane protein

#### Tissue Location

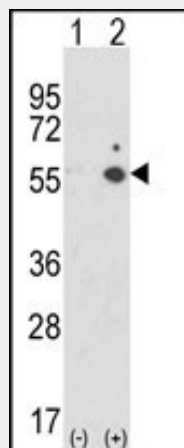
Expressed on non-hematopoietic cells such as vascular endothelial cells, thymic epithelial cells, certain other epithelial cells, and fibroblasts, and on hematopoietic cells such as tissue macrophages, mitogen-stimulated T lymphocyte blasts, and germinal center dendritic cells in tonsils, lymph nodes, and Peyer's patches (PubMed:[3086451](#)). Expressed in low amounts on peripheral blood leukocytes (PubMed:[3086451](#)).

#### ICAM1 Antibody (C-term) - Protocols

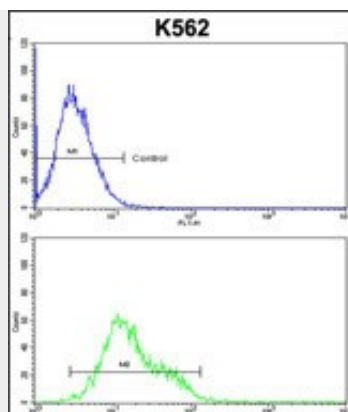
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### ICAM1 Antibody (C-term) - Images



Western blot analysis of ICAM1 (arrow) using rabbit polyclonal ICAM1 Antibody (C-term) (Cat. #AP8656b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the ICAM1 gene (Lane 2).



ICAM1 Antibody (C-term) (Cat. #AP8656b) flow cytometric analysis of k562 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### ICAM1 Antibody (C-term) - Background

ICAM1 is a cell surface glycoprotein which is typically expressed on endothelial cells and cells of the immune system. It binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also exploited by Rhinovirus as a receptor.

### ICAM1 Antibody (C-term) - References

Denkers, I.A., et.al., Leuk. Res. 16 (5), 469-474 (1992)  
 Rossler, K., et.al., J. Neurosci. Res. 31 (2), 365-374 (1992)

### ICAM1 Antibody (C-term) - Citations

- [Long noncoding RNA atlas of the inflammation caused by asthma in mice](#)
- [Myocardin-related transcription factor A mediates OxLDL-induced endothelial injury.](#)