

ICAM-1 / CD54 Antibody
Mouse Monoclonal Antibody
Catalog # ALS12366**Specification**

ICAM-1 / CD54 Antibody - Product Information

Application	IHC-P, IP, IHC-F, FC
Primary Accession	P05362
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	58kDa KDa
Dilution	IHC-P~~N/A IP~~N/A IHC-F~~N/A FC~~1:10~50

ICAM-1 / CD54 Antibody - Additional Information**Gene ID** 3383**Other Names**

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

Target/Specificity

Recognizes the human CD54 cell surface antigen, a 90kD glycoprotein also known as ICAM-1. CD54 is expressed by many cells following activation by inflammatory mediators. Clone 3H1547 blocks CD54 function.

Reconstitution & Storage

+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions

ICAM-1 / CD54 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ICAM-1 / CD54 Antibody - Protein Information**Name** ICAM1**Function**

ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). During leukocyte trans-endothelial migration, ICAM1 engagement promotes the assembly of endothelial apical cups through ARHGEF26/SGEF and RHOG activation.

Cellular Location

Membrane; Single-pass type I membrane protein.

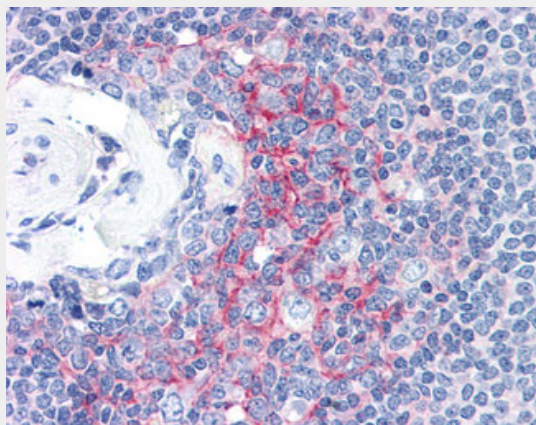
Volume
125 µl

ICAM-1 / CD54 Antibody - 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](#)

ICAM-1 / CD54 Antibody - Images



Anti-ICAM-1 antibody IHC of human spleen.

ICAM-1 / CD54 Antibody - Background

ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). During leukocyte trans- endothelial migration, ICAM1 engagement promotes the assembly of endothelial apical cups through ARHGEF26/SGEF and RHOG activation. In case of rhinovirus infection acts as a cellular receptor for the virus.

ICAM-1 / CD54 Antibody - References

Simmons D.,et al.Nature 331:624-627(1988).
Staunton D.E.,et al.Cell 52:925-933(1988).
Tomassini J.E.,et al.Proc. Natl. Acad. Sci. U.S.A. 86:4907-4911(1989).
Voraberger G.F.,et al.J. Immunol. 147:2777-2786(1991).
Kalnina N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.