

CD54(ICAM-1) Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP52695-100 □

Specification

CD54(ICAM-1) Antibody - Product Information

Application	WB, ICC
Primary Accession	P05362
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	96 KDa

CD54(ICAM-1) Antibody - Additional Information

Gene ID 3383

Other Names

Antigen identified by monoclonal;BB2;BB 2;BB2;CD 54;CD_antigen=CD54;CD54;CD54 antigen; Cell surface glycoprotein P3.58;Human rhinovirus receptor;ICAM 1;ICAM-1;ICAM1; ICAM1_HUMAN;Intercellular adhesion molecule 1;intercellular adhesion molecule 1 (CD54), human rhinovirus receptor;Major group rhinovirus receptor;MALA 2;MALA2;MyD 10;MyD10; P3.58;Surface antigen of activated B cells;Surface antigen of activated B cells, BB2.

Dilution

WB~~1:1000

ICC~~1:200

Format

Purified mouse monoclonal in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

CD54(ICAM-1) Antibody - Protein Information

Name ICAM1

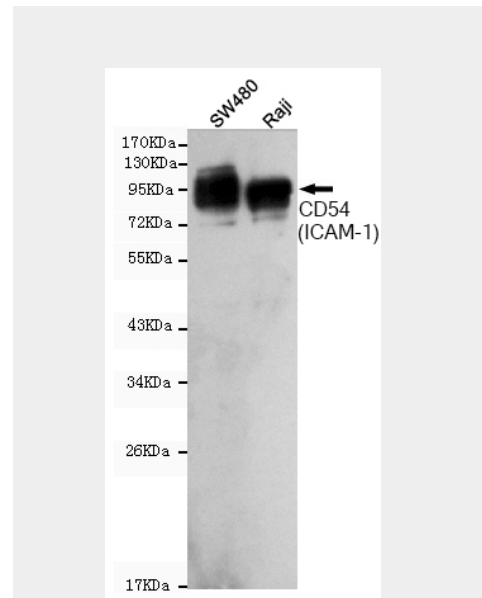
Function

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.

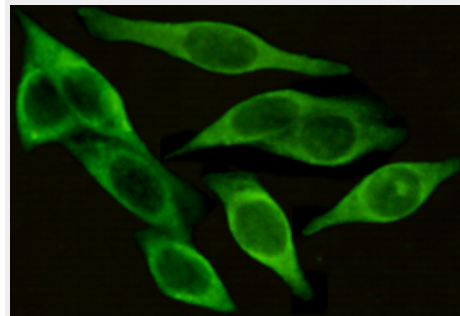
Cellular Location

Membrane; Single-pass type I membrane protein

CD54(ICAM-1) Antibody - Protocols



Western blot detection of CD54(ICAM-1) in SW480 and Raji cell lysates using CD54(ICAM-1) mouse mAb (1:1000 diluted). Predicted band size:96KDa.Observed band size:96KDa.



Immunocytochemistry staining of SW480 cells fixed by anhydrous methanol for 2 h at -20°C and using anti-CD54(ICAM-1) mouse mAb (dilution 1:200).

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](#)

CD54(ICAM-1) 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.

CD54(ICAM-1) 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). Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DBJ databases.