

CD54(ICAM-1) Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP52695

Product Information

Application	WB, ICC
Primary Accession	P05362
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	57825

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 0.09% (W/V) sodium azide and 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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.

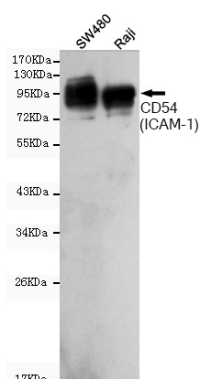
Background

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.

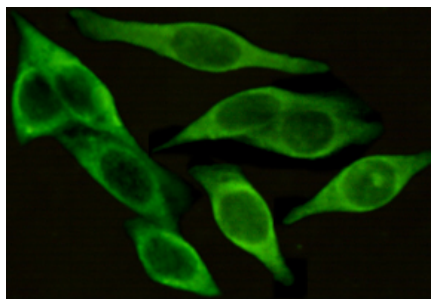
References

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/DDBJ databases.

Images



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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.