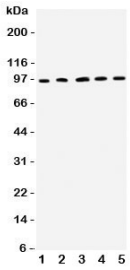
ICAM1 Antibody / CD54 (R31451)

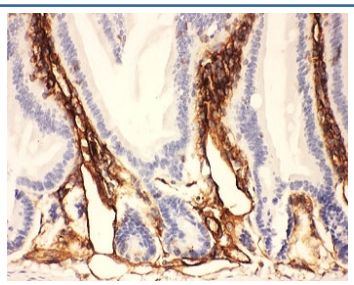
Catalog No.	Formulation	Size
R31451	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

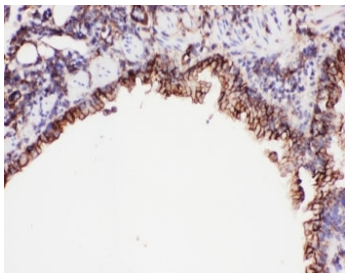
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	15894
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 0.5-1ug/ml
Limitations	This ICAM1 antibody is available for research use only.



Western blot testing of ICAM1 antibody and rat samples 1: thymus; 2: spleen; 3: PC12; 4: NRK; 5: RH35 lysate. The expected molecular weight of this glycoprotein is 75~115 kDa.



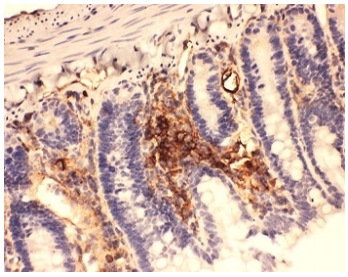
IHC-P: ICAM1 antibody testing of mouse intestine tissue



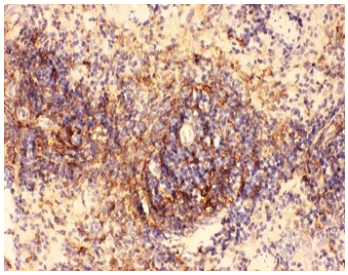
IHC-P: ICAM1 antibody testing of mouse lung tissue



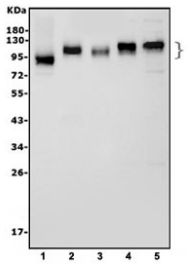
IHC-P testing of mouse spleen tissue



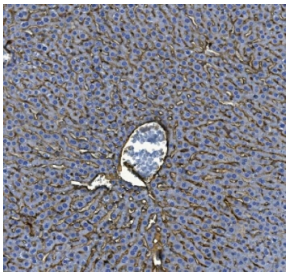
IHC-P testing of rat intestine tissue



IHC-P testing of rat spleen tissue



Western blot testing of 1) rat NRK, 2) mouse spleen, 3) mouse liver, 4) mouse kidney and 5) mouse ANA-1 cell lysate with ICAM1 antibody. Expected molecular weight: 75-115 kDa.



IHC staining of FFPE mouse liver tissue with ICAM1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat liver tissue with ICAM1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

ICAM1 is a ligand for lymphocyte function-associated (LFA) antigens, a beta 2 leukocyte integrin. The normal function of human ICAM1 is to provide adhesion between endothelial cells and leukocytes after injury or stress. It binds to leukocyte function-associated antigen (LFA-1) on leukocytes, fibroblasts, epithelial cells and endothelial cells and its expression is regulated by inflammatory cytokines.

For an alternative monoclonal targeting ICAM1/CD54, see our ICAM1 Antibody ICAM1/6319 / Cell Adhesion Molecule Antibody page.

Application Notes

Titration of the ICAM1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Mouse partial recombinant protein (AA 198-537) was used as the immunogen for this ICAM1 antibody.

Storage

After reconstitution, the ICAM1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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