

ARG40203 anti-CD54 / ICAM1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD54 / ICAM1
Tested Reactivity	Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD54 / ICAM1
Species	Mouse
Immunogen	Recombinant protein corresponding to G198-P537 of Mouse CD54 / ICAM1.
Conjugation	Un-conjugated
Alternate Names	CD54; CD antigen CD54; BB2; P3.58; Intercellular adhesion molecule 1; Major group rhinovirus receptor; ICAM-1

Application Instructions

Application table	Application	Dilution
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml

Application Note
IHC-P: Antigen Retrieval: By heat mediation.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

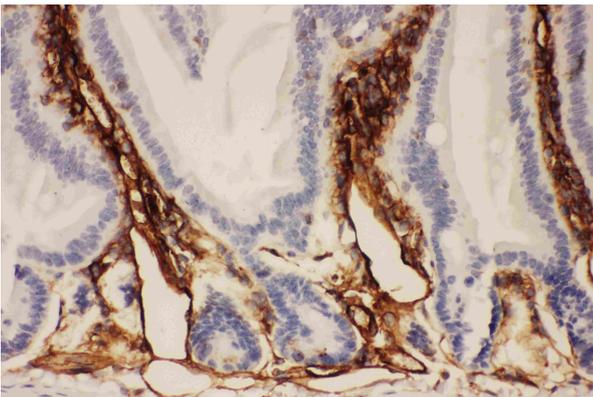
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

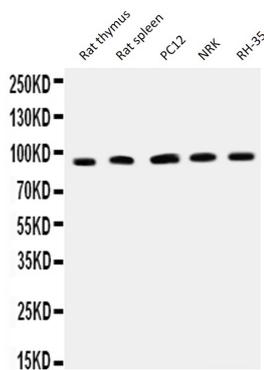
Gene Symbol	ICAM1
Gene Full Name	intercellular adhesion molecule 1
Background	This gene encodes a cell surface glycoprotein which is typically expressed on endothelial cells and cells of the immune system. It binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also exploited by Rhinovirus as a receptor. [provided by RefSeq, Jul 2008]
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 RHO G activation. In case of rhinovirus infection acts as a cellular receptor for the virus. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Developmental Biology antibody; Immune System antibody; Cytotoxic T Cell Surface Study antibody
Calculated Mw	58 kDa
PTM	Monoubiquitinated, which is promoted by MARCH9 and leads to endocytosis. [UniProt]
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

Images



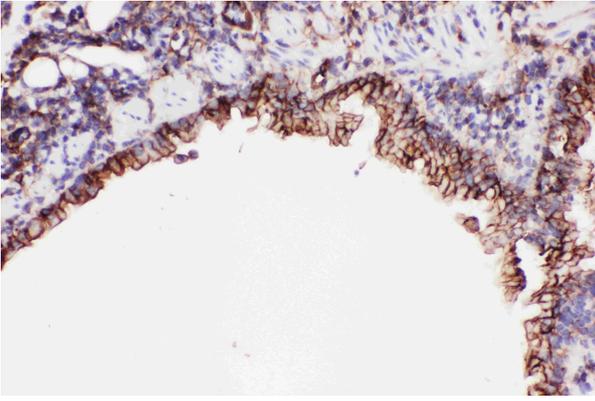
ARG40203 anti-CD54 / ICAM1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse intestine stained with ARG40203 anti-CD54 / ICAM1 antibody.



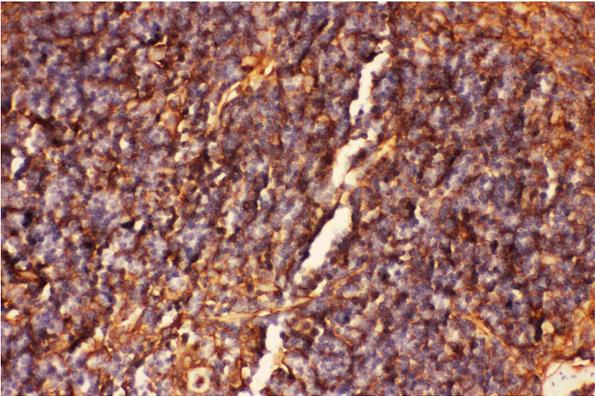
ARG40203 anti-CD54 / ICAM1 antibody WB image

Western blot: 40 µg of Rat thymus, Rat spleen, PC12, NRK and RH-35 whole cell lysates stained with ARG40203 anti-CD54 / ICAM1 antibody at 0.5 µg/ml dilution.



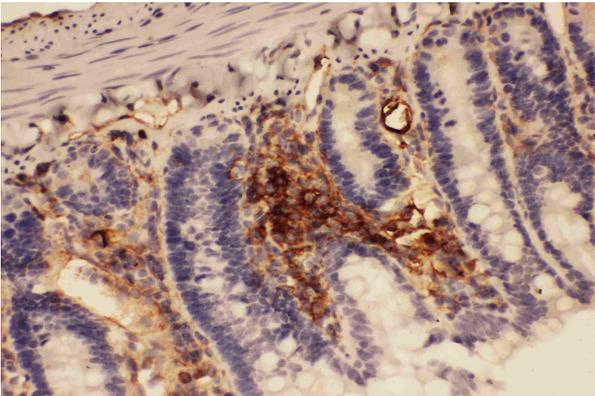
ARG40203 anti-CD54 / ICAM1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse lung stained with ARG40203 anti-CD54 / ICAM1 antibody.



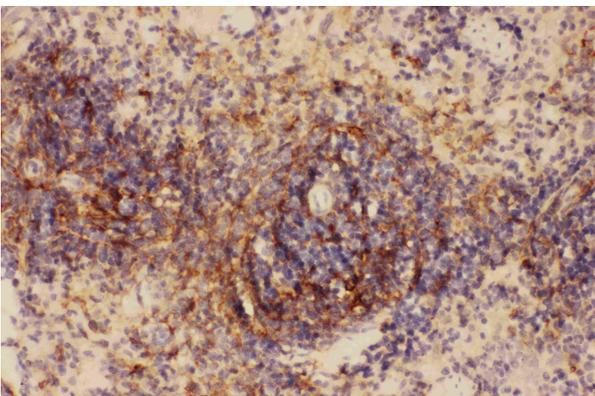
ARG40203 anti-CD54 / ICAM1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse spleen stained with ARG40203 anti-CD54 / ICAM1 antibody.



ARG40203 anti-CD54 / ICAM1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat intestine stained with ARG40203 anti-CD54 / ICAM1 antibody.



ARG40203 anti-CD54 / ICAM1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat spleen stained with ARG40203 anti-CD54 / ICAM1 antibody.
