



# CD54 (ABT-CD54) mouse mAb

<b>Catalog No</b>	BYab-15350
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human
<b>Applications</b>	IHC, WB
<b>Gene Name</b>	ICAM1
<b>Protein Name</b>	Intercellular adhesion molecule 1 (ICAM-1) (Major group rhinovirus receptor) (CD antigen CD54)
<b>Immunogen</b>	Synthesized peptide derived from human CD54
<b>Specificity</b>	This antibody detects endogenous levels of human CD54. Heat-induced epitope retrieval (HIER) Citrate buffer of pH6.0 was highly recommended as antigen repair method in paraffin section
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Mouse, Monoclonal/IgG1, Kappa
<b>Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 500-2000 IHC-p 1:100-500
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	
<b>Cell Pathway</b>	Membrane; Single-pass type I membrane protein.
<b>Tissue Specificity</b>	Blood, Kidney, Liver, Melanoma, Plasma,
<b>Function</b>	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 SGEF and RHO G activation. In case of rhinovirus infection acts as a cellular receptor for the virus., online information: ICAM-1, online information: Icosahedral capsid structure, online information: Intercellular adhesion molecule entry, polymorphism: Homozygotes with ICAM1-Kalifi Met-56 seem to have an increased risk for cerebral malaria., PTM: Monoubiquitinated, which is promoted by MARCH9 and leads to endocytosis., similarity: Belongs to the immunoglobulin superfamily. ICAM family., similarity: Contains 5 Ig-like C2-type

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(immunoglobulin-like) domains.,subunit:Homodimer (Probable). Interacts with human herpesvirus 8 MIR2 protein (Probable). Interacts with MUC1 and promotes cell a

**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],

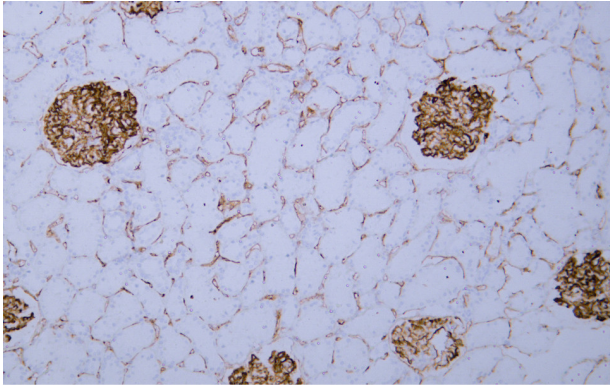
**matters needing attention**

Avoid repeated freezing and thawing!

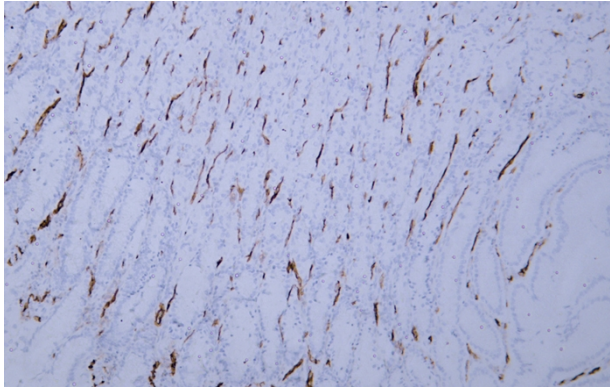
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

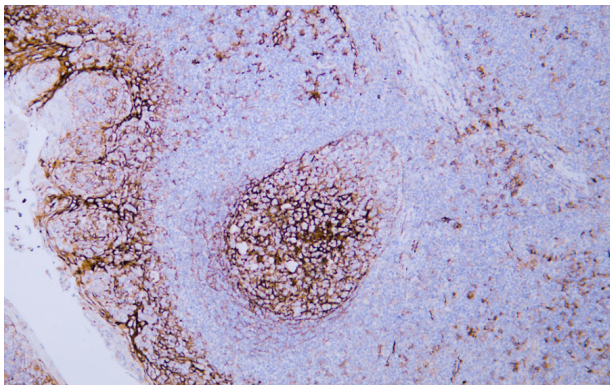
**Products Images**



Human kidney tissue was stained with Anti-CD54 (ABT-CD54) Antibody

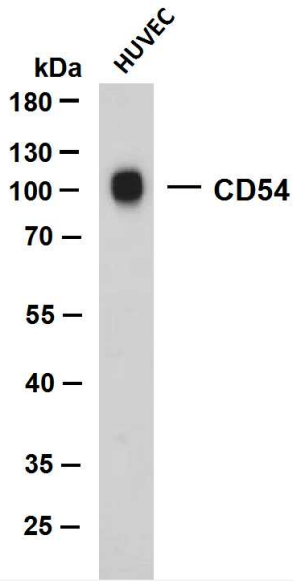


Human stomach tissue was stained with Anti-CD54 (ABT-CD54) Antibody



Human tonsil tissue was stained with Anti-CD54 (ABT-CD54) Antibody

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HUVEC whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-CD54(ABT-CD54) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: HUVEC Predicted band size: 58kDa Observed band size: 100kDa