

CD54 (ABT-CD54) Mouse mAb

CatalogNo: YM4785

| Key Features

Host Species

- Mouse

Reactivity

- Human,

Applications

- IHC, WB, IF, ELISA

MW

- 58kD (Calculated)
- 100kD (Observed)

Isotype

- IgG1, Kappa

| Recommended Dilution Ratios

IHC 1:200-1000

WB 1:500-2000

IF 1:100-500

ELISA 1:1000-5000

| Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

| Basic Information

Clonality Monoclonal

Clone Number ABT-CD54

| Immunogen Information

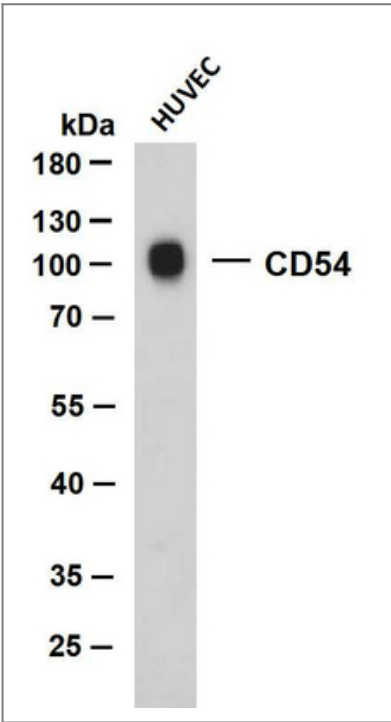
Immunogen Synthesized peptide derived from human CD54 AA range: 100-200

Specificity The antibody can specifically recognize human CD54 protein.

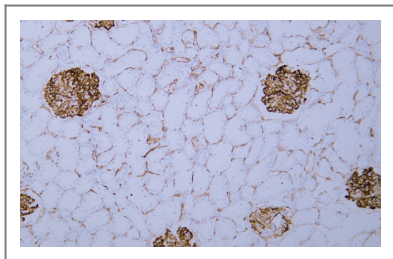
Target Information

Gene name	ICAM1		
Protein Name	Intercellular adhesion molecule 1 (ICAM-1) (Major group rhinovirus receptor) (CD antigen CD54)		
	Organism	Gene ID	UniProt ID
	Human	3383 ;	P05362 ;
Cellular Localization	Membranous		
Tissue specificity	Blood,Kidney,Liver,Melanoma,Plasma,		
Function	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 RHOG 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 (immunoglobulin-like) domains.,subunit:Homodimer (Probable). Interacts with human herpesvirus 8 MIR2 protein (Probable). Interacts with MUC1 and promotes cell aggregation in epithelial cells. Interacts with SGEF. Binds to coxsackievirus A21 capsid proteins and acts as a receptor for this virus.,		

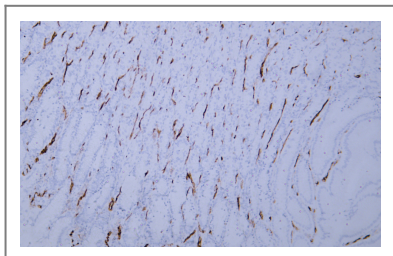
Validation Data



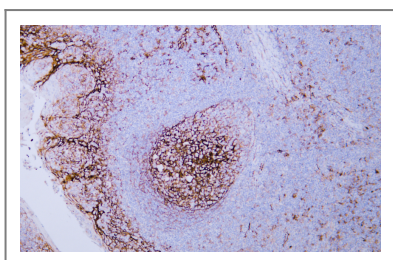
HUVEC whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-CD54(ABT-CD54) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: HUVEC



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

| Contact information

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Please scan the QR code
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product information:

CD54 (ABT-CD54)
Mouse mAb

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