Mouse anti-Human CD146 Monoclonal Antibody | anti-CD146 antibody

CD146 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA27014	**Mouse**	**Human**	**ELISA, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay**

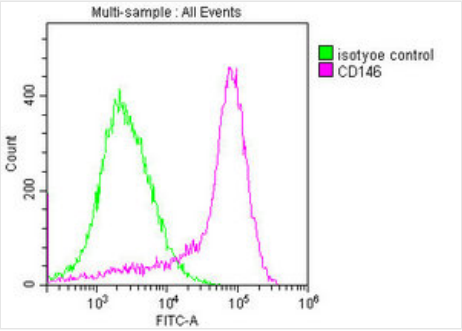
PRODUCT SYNONYMS

CD146; Monoclonal Antibody; CD146 Monoclonal Antibody; Cell surface glycoprotein MUC18; Cell surface glycoprotein P1H12; Melanoma cell adhesion molecule; Melanoma-associated antigen A32; Melanoma-associated antigen MUC18; S-endo 1 endothelial-associated antigen; CD antigen CD146; MCAM; MUC18; anti-CD146 antibody

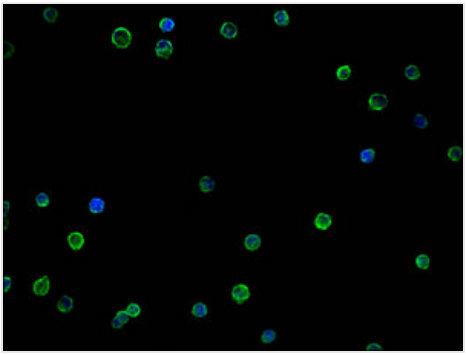
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a
Purity/Purification	>95% Protein G Purified
Form/Format	Liquid
Sequence Length	527
Applicable Applications for anti-CD146 antibody	ELISA, WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:500-1:2000 IF: 1:50-1:200
Immunogen	Recombinant Human Cell surface glycoprotein MUC18 protein (50-646AA)
Conjugate	Non-Conjugated
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at-20 degree C or-80 degree C. Avoid repeated freeze.

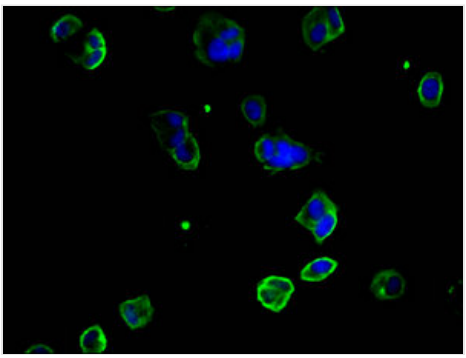
IMAGES



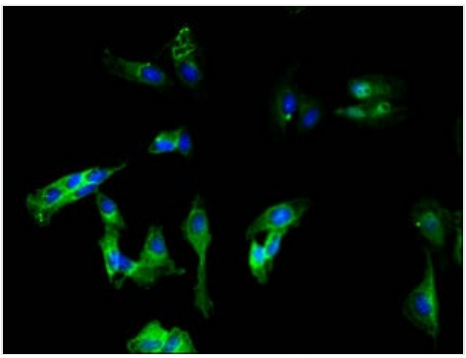
FCM (Flow Cytometry)
Overlay histogram showing MCF-7 cells stained with CSB-MA013563A0m (red line) at 1:400. The cells were incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4 degree C. The secondary antibody used was FITC goat anti-mouse IgG(H+L) at 1/200 dilution for 1 h at 4 degree C. Isotype control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.



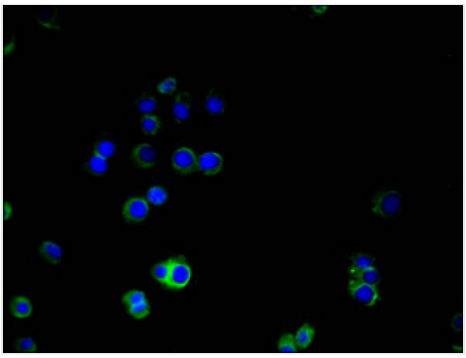
IF (Immunofluorescence)
Immunofluorescence staining of THP-1 cells with CSB-MA013563A0m at 1:100, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Mouse IgG(H+L).



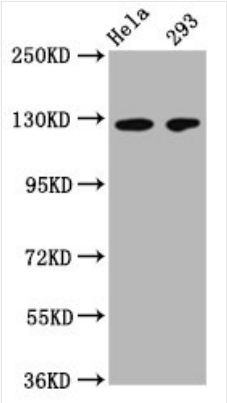
IF (Immunofluorescence)
Immunofluorescence staining of MCF-7 cells with CSB-MA013563A0m at 1:100, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Mouse IgG(H+L).



IF (Immunofluorescence)
Immunofluorescence staining of Hela cells with CSB-MA013563A0m at 1:100, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Mouse IgG(H+L).



IF (Immunofluorescence)
Immunofluorescence staining of A375 cells with CSB-MA013563A0m at 1:100, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Mouse IgG(H+L).



WB (Western Blot)
Western BlotPositive WB detected in: Hela whole cell lysate, 293 whole cell lysateAll lanes: CD146 antibody at 1:500SecondaryGoat polyclonal to Mouse IgG at 1/50000 dilutionPredicted band size: 72, 58 kDaObserved band size: 120 kDa

ADDITIONAL INFORMATION

Product Categories/Family for anti-CD146 antibody	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	71274107
NCBI GeneID	4162
NCBI Accession #	NP_006491.2
NCBI GenBank Nucleotide #	NM_006500.3
UniProt Accession #	P43121; O95812; Q59E86; Q6PHR3; Q6ZTR2
Molecular Weight	57,605 Da
NCBI Official Full Name	cell surface glycoprotein MUC18
NCBI Official Synonym Full Names	melanoma cell adhesion molecule
NCBI Official Symbol	MCAM
NCBI Official Synonym Symbols	CD146; MUC18; HEMCAM; METCAM; MelCAM
NCBI Protein Information	cell surface glycoprotein MUC18
UniProt Protein Name	Cell surface glycoprotein MUC18
UniProt Gene Name	**MCAM**
UniProt Synonym Gene Names	MUC18

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/monoclonal/cd146-antibody-western-blot-immunofluorescence-flow-cytometry-elisa/27014