

Anti-CD146/MCAM Antibody (8P93)

Product Details

Ig Type:	IgG2a
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	8P93
Purification:	Protein G purified

Applications

1. Western Blot

- Positive WB detected in: MCF-7 whole cell lysate
- All lanes: CD146 antibody at 1:1250
- Secondary: Goat polyclonal to Mouse IgG at 1/50000 dilution
- Predicted band size: 72, 58 kDa
- Observed band size: 120 kDa

2. Western Blot

- Positive WB detected in: Hela whole cell lysate, 293 whole cell lysate
- All lanes: CD146 antibody at 1:500
- Secondary: Goat polyclonal to Mouse IgG at 1/50000 dilution
- Predicted band size: 72, 58 kDa
- Observed band size: 120 kDa

3. Immunofluorescence staining of A375 cells with TMAH-00169 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°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).

Verified Activity:

4. Immunofluorescence staining of Hela cells with TMAH-00169 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°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).

5. Immunofluorescence staining of MCF-7 cells with TMAH-00169 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°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).

6. Immunofluorescence staining of THP-1 cells with TMAH-00169 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°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).

7. Overlay histogram showing MCF-7 cells stained with TMAH-00169 (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°C. The secondary antibody used was FITC goat anti-mouse IgG(H+L) at 1/200 dilution for 1 h at 4°C. Isotype control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.

A DRUG SCREENING EXPERT

Application: ELISA,FCM,IF,WB

Properties

Purity: >95%

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human Cell surface glycoProtein MUC18 Protein (50-646AA)

Antigen Species: Human

Gene ID: 4162

Uniprot ID: P43121

Synonyms: CD146;MUC18;melanoma cell adhesion molecule

Biology Area: Immunology

Research Background

Plays a role in cell adhesion, and in cohesion of the endothelial monolayer at intercellular junctions in vascular tissue. Its expression may allow melanoma cells to interact with cellular elements of the vascular system, thereby enhancing hematogeneous tumor spread. Could be an adhesion molecule active in neural crest cells during embryonic development. Acts as surface receptor that triggers tyrosine phosphorylation of FYN and PTK2/FAK1, and a transient increase in the intracellular calcium concentration.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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