MH15034

CDH1 Monoclonal Antibody

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☐ 50ul
☐ 100 uL

Background:

Cadherins are calcium-dependent cell adhesion proteins (PubMed:11976333). They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. CDH1 is involved in mechanisms regulating cell-cell adhesions, mobility and proliferation of epithelial cells (PubMed:11976333). Has a potent invasive suppressor role. It is a ligand for integrin alpha-E/beta-7.

Alternative Names:

Cadherin-1 (CAM 120/80) (Epithelial cadherin) (E-cadherin) (Uvomorulin) (CD antigen CD324) [Cleaved into: E-Cad/CTF1; E-Cad/CTF2; E-Cad/CTF3], CDH1, CDHE UVO

Product Type : Monoclonal Antibody

Uniprot : P12830

Mol.Wt. : 97.456 kDa ;

Immunogen : Recombinant Human Cadherin-1 protein (155-707AA)

Host Species : Mouse

Species Reactivity : Human, Mouse

Applications:

ELISA, WB, IF, FC;
Recommended dilution:
WB:1:500-1:5000, IF:1:50-1:200

Isotype : IgG1

Purification Method : >95%, Protein G purified

Buffer:

Preservative: 0.03% Proclin 300
Constituents: 50% Glycerol, 0.01M PBS, PH 7.4

Form： Liquid

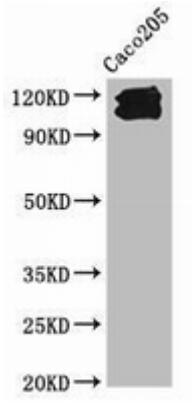
Research Areas：

Cancer; Developmental biology; Signal transduction

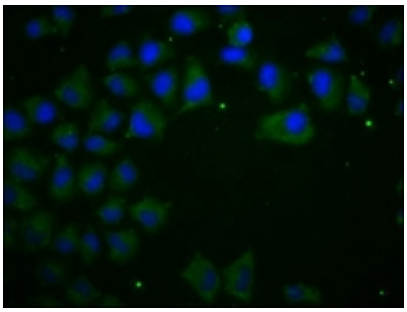
Storage：

Upon receipt,Store at -20°C. Do not aliquot the antibody

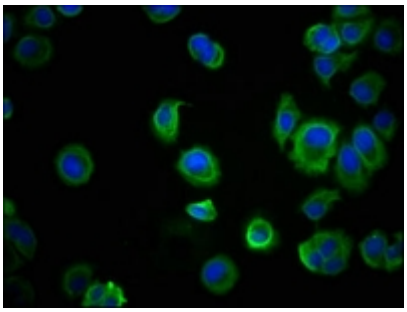
Images：



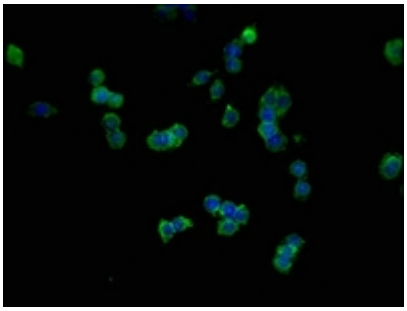
Western Blot
Positive WB detected in: Caco205 whole cell lysate
All lanes: CDH1 antibody at 1:1000
Secondary
Goat polyclonal to Mouse IgG at 1/10000 dilution
Predicted band size: 98, 91 kDa
Observed band size: 110, 120 kDa



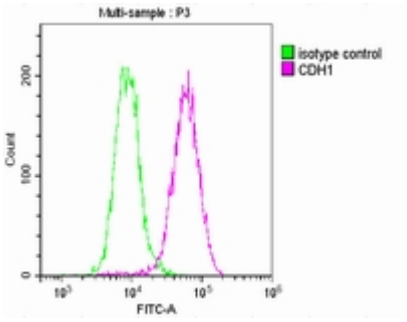
Immunofluorescence staining of Hela cells with MH15034 at 1:100, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescence staining of MCF-7 cells with MH15034 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-congugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescence staining of SW620 cells with MH15034 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-congugated AffiniPure Goat Anti-Mouse IgG(H+L).



Overlay histogram showing MCF-7 cells stained with MH15034 (red line) at 1:100. 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.