

Recombinant E-Cadherin (CDH1) / CD324 (Intercellular Junction Marker) Antibody

Rabbit Monoclonal Antibody [Clone CDH1/2208R]

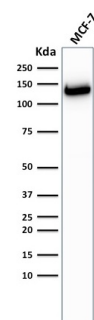
Catalog No	Format	Size
999-RBM8-P0	Purified Ab with BSA and Azide	200ug/ml
999-RBM8-P1	Purified Ab with BSA and Azide	200ug/ml
999-RBM8-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

Applications	Tested Dillution
Flow Cytometry (Flow)	1-2ug/million cells
Immunofluorescence (IF)	1-3ug/ml
Immunohistochemistry (IHC)	1-2ug/ml
Western Blot (WB)	2-4ug/ml

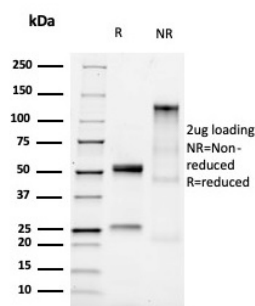
Product Details	
Clone	CDH1/2208R
Gene Name	CDH1
Immunogen	Recombinant full-length human E-Cadherin protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	120-80kDa (Mature); 135kDa (Precursor)
Cellular Localization	Adherens junction, Cell junction, Cell membrane, Endosome, Golgi apparatus, trans-Golgi network
Species Reactivity	Human, Mouse
Positive Control	MCF-7, Placenta .Prostate or colon carcinomas.

**Optimal dilution for a specific application should be determined.*

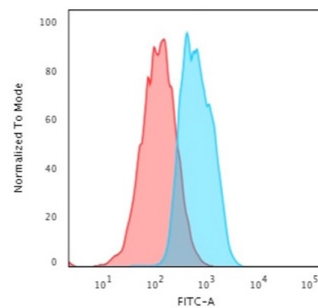
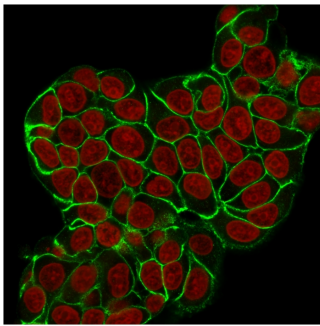
Product Images for Recombinant E-Cadherin (CDH1) / CD324 (Intercellular Junction Marker) Antibody



Western Blot Analysis of MCF-7 cell lysate using E-Cadherin Rabbit Recombinant Monoclonal Antibody (CDH1/2208R).

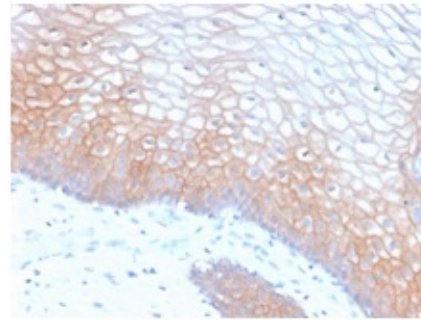
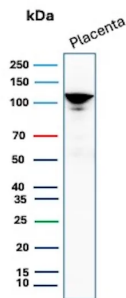


SDS-PAGE Analysis Purified E-Cadherin Rabbit Recombinant Monoclonal (CDH1/2208R). Confirmation of Purity and Integrity of Antibody.



Immunofluorescence Analysis of MCF-7 cells labeling E-Cadherin with E-Cadherin Rabbit Recombinant Monoclonal Antibody (CDH1/2208R) followed by goat anti-mouse IgG-CF488. The nuclear counterstain is RedDot.

Flow Cytometric Analysis of MCF-7 cells using E-Cadherin Rabbit Recombinant Monoclonal Antibody (CDH1/2208R) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).



Western Blot Analysis of human placenta tissue lysate using CDH1 Recombinant Rabbit Monoclonal Antibody (CDH1/2208R).

Formalin-fixed, paraffin-embedded human cervix stained with E-Cadherin Rabbit Recombinant Monoclonal Antibody (CDH1/2208R).

Specificity & Comments

Recognizes a protein of 120-80kDa, identified as E-cadherin. Cadherins comprise a family of Ca^{2+} -dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of tissue structure and morphogenesis. The classical cadherins, E-, N- and P-cadherin, consist of large extracellular domains characterized by a series of five homologous NH₂ terminal repeats. The relatively short intracellular domains interact with a variety of cytoplasmic proteins, such as β -catenin, to regulate cadherin function. E-cadherin plays an important role in epithelial cell adhesion. A decreased expression of E-cadherin is associated with metastatic potential and poor prognosis in breast cancer, prostate and esophageal cancer. In combination with p120 Catenin, it is useful for the differentiation between ductal (E-cadherin +) and lobular (E-cadherin -) breast carcinomas. It may also help in diagnosis of mesothelioma.

Research Areas

Bladder Cancer, Cardiovascular, Colon Cancer, Developmental Biology, Immunology, Infectious Disease, Signal Transduction

Known Applications & Suggested Dilutions

Flow Cytometry (1-2ug/million cells) | Immunofluorescence (1-2ug/ml) | Western Blot (1-2ug/ml) | Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT), (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes). Optimal dilution for a specific application should be determined.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.