

**Anti-CDH1 / E-cadherin / CD324 Reference Antibody (Stem CentrX patent anti-Cadherin-1)  
Recombinant Antibody  
Catalog # APR10020**

### Specification

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**Anti-CDH1 / E-cadherin / CD324 Reference Antibody (Stem CentrX patent anti-Cadherin-1) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">P12830</a>
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	146.6 KDa

**Anti-CDH1 / E-cadherin / CD324 Reference Antibody (Stem CentrX patent anti-Cadherin-1) - Additional Information**

#### Target/Specificity

CDH1 / E-cadherin / CD324

#### Endotoxin

< 0.001EU/ µg, determined by LAL method.

#### Conjugation

Unconjugated

#### Expression system

CHO Cell

#### Format

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

#### Storage

-80°C for 2 years under sterile conditions □ -20°C for 1 year under sterile conditions □ Avoid repeated freeze-thaw cycles.

**Anti-CDH1 / E-cadherin / CD324 Reference Antibody (Stem CentrX patent anti-Cadherin-1) - Protein Information**

Name CDH1 ([HGNC:1748](#))

#### Function

Cadherins are calcium-dependent cell adhesion proteins (PubMed: [11976333](http://www.uniprot.org/citations/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:<a href="http://www.uniprot.org/citations/11976333" target="\_blank">11976333</a>). Has a potent invasive suppressor role. It is a ligand for integrin alpha-E/beta-7.

#### Cellular Location

Cell junction, adherens junction. Cell membrane; Single-pass type I membrane protein. Endosome. Golgi apparatus, trans-Golgi network. Cytoplasm {ECO:0000250|UniProtKB:P09803}. Cell junction {ECO:0000250|UniProtKB:Q90Z37}. Note=Colocalizes with DLGAP5 at sites of cell-cell contact in intestinal epithelial cells. Anchored to actin microfilaments through association with alpha-, beta- and gamma- catenin. Sequential proteolysis induced by apoptosis or calcium influx, results in translocation from sites of cell-cell contact to the cytoplasm. Colocalizes with RAB11A endosomes during its transport from the Golgi apparatus to the plasma membrane

#### Tissue Location

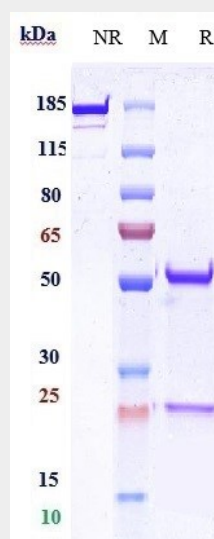
Expressed in granuloma macrophages (at protein level) (PubMed:27760340). Expressed in the liver (PubMed:3263290)

### Anti-CDH1 / E-cadherin / CD324 Reference Antibody (Stem Centrx patent anti-Cadherin-1) - Protocols

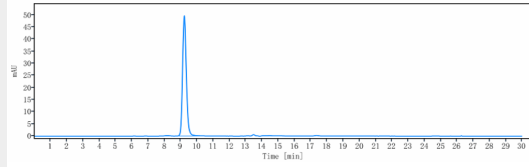
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

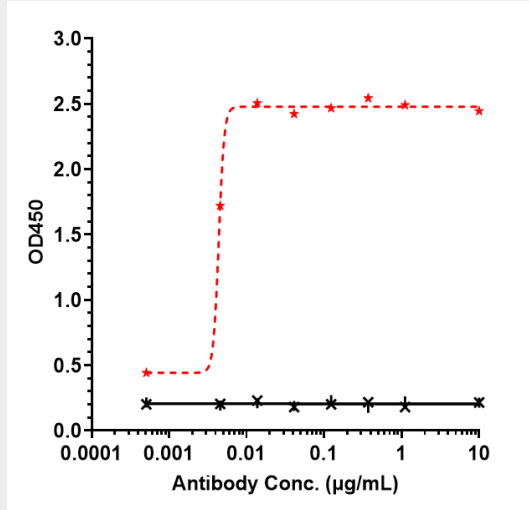
### Anti-CDH1 / E-cadherin / CD324 Reference Antibody (Stem Centrx patent anti-Cadherin-1) - Images



Anti-CDH1 / E-cadherin / CD324 Reference Antibody (Stem Centrx patent anti-Cadherin-1) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-CDH1 / E-cadherin / CD324 Reference Antibody (Stem Centrx patent anti-Cadherin-1) is more than 95% ,determined by SEC-HPLC.



Immobilized human CDH1 His at 2 µg/mL can bind Anti-CDH1 / E-cadherin / CD324 Reference Antibody (Stem Centrx patent anti-Cadherin-1) □EC50=0.004381 µg/mL.