

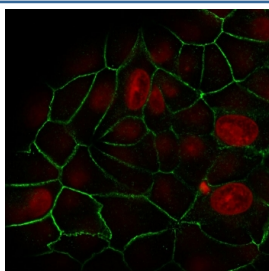
Recombinant E-Cadherin Antibody [clone rCDH1/1525] (V3564)

Catalog No.	Formulation	Size
V3564-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3564-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3564SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3564IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

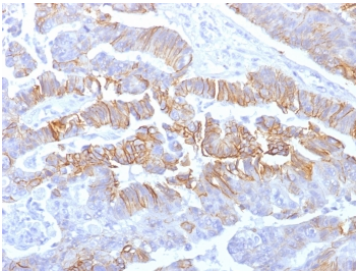
Recombinant **MOUSE MONOCLONAL**

[Bulk quote request](#)

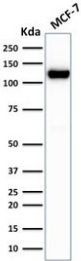
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1
Clone Name	rCDH1/1525
Purity	Protein G affinity chromatography
UniProt	P12830
Localization	Cytoplasmic, membranous
Applications	Western Blot : 1-2ug/ml Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This recombinant E-Cadherin antibody is available for research use only.



Immunofluorescent staining of human MCF7 cells with recombinant E-Cadherin antibody (green, clone rCDH1/1525) and Reddot nuclear stain (red).

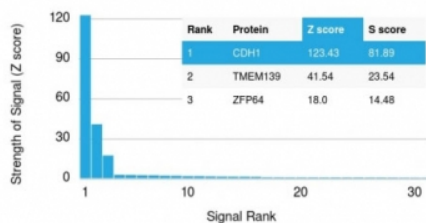


IHC testing of formalin-fixed, paraffin-embedded human colon carcinoma with recombinant E-Cadherin antibody (clone rCDH1/1525). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

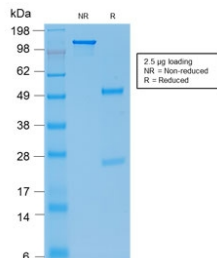


Western blot testing of human MCF-7 cell lysate with recombinant E-Cadherin antibody (clone rCDH1/1525). Expected molecular weight: 135 kDa (precursor), 80-120 kDa (mature, depending on glycosylation level).

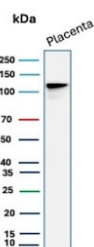
Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using recombinant E-Cadherin antibody (clone rCDH1/1525). These results demonstrate the foremost specificity of the rCDH1/1525 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free recombinant E-Cadherin antibody (clone rCDH1/1525) as confirmation of integrity and purity.



Western blot testing of human placental tissue lysate with recombinant E-Cadherin antibody (clone rCDH1/1525). Expected molecular weight: 135 kDa (precursor), 80-120 kDa (mature, depending on glycosylation level).

Description

Recombinant E-Cadherin antibody is used to detect E-Cadherin, a calcium dependent adhesion glycoprotein encoded by the CDH1 gene. E-Cadherin is a core component of adherens junctions, where it mediates homophilic cell cell adhesion and maintains epithelial integrity. It is expressed widely in epithelial tissues and plays a central role in development, morphogenesis, and cancer biology. Because of its critical function, E-Cadherin is studied extensively in cell biology and oncology.

The protein consists of extracellular cadherin repeats, a transmembrane region, and a cytoplasmic tail that binds catenins, linking adhesion complexes to the actin cytoskeleton. This structural organization enables E-Cadherin to stabilize tissue architecture and transmit signals that regulate cell polarity and differentiation. Loss or reduction of E-Cadherin expression disrupts epithelial cohesion and is a hallmark of epithelial to mesenchymal transition, a process that facilitates tumor invasion and metastasis.

The Recombinant E-Cadherin antibody clone rCDH1/1525 provides specific and reproducible recognition of this adhesion molecule. Recombinant production ensures consistency across lots, reducing experimental variability. Clone rCDH1/1525 has been employed in developmental biology to track epithelial morphogenesis and in cancer research to investigate mechanisms of metastasis. Its ability to highlight adherens junctions supports high resolution analysis of tissue structure.

Research using clone rCDH1/1525 has clarified how E-Cadherin regulates adhesion, signaling, and epithelial identity. Altered expression is associated with gastric, breast, ovarian, and colorectal cancers, where it correlates with prognosis and treatment outcomes. Beyond oncology, E-Cadherin detection informs regenerative medicine and developmental biology, where epithelial cohesion is essential for tissue organization.

NSJ Bioreagents provides this Recombinant E-Cadherin antibody to support studies in cell adhesion and cancer. The protein is also known as CDH1 antibody, cadherin 1 antibody, epithelial cadherin antibody, and uvomorulin antibody, highlighting the alternate names used in scientific literature.

Application Notes

Optimal dilution of the recombinant E-Cadherin antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

A full length recombinant human protein was used as the immunogen for the recombinant E-Cadherin antibody.

Storage

Store the recombinant E-Cadherin antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).