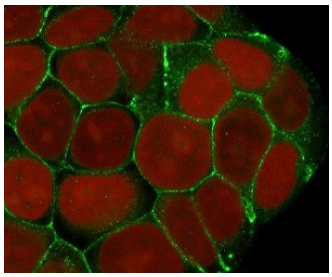
E-cadherin Antibody for IF / CDH1 Immunofluorescence Antibody - Epithelial Architecture Marker [clone ECD1-3R] (V3702)

Catalog No.	Formulation	Size
V3702-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3702-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3702SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3702IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

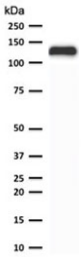
Recombinant RABBIT MONOCLONAL

Bulk quote request

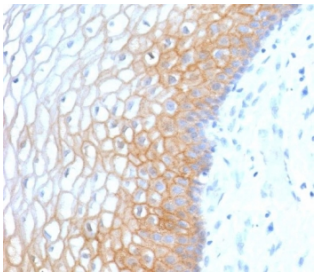
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	ECD1-3R
Purity	Protein A affinity chromatography
UniProt	P12830
Localization	Cytoplasmic, membranous
Applications	Western blot: 1-2ug/ml Immunofluorescence: 1-2ug/ml Flow cytometry: 1-2ug/10^6 cells Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Prediluted IHC only format : incubate for 30 min at RT (1)
Limitations	This E-cadherin Antibody for IF / CDH1 Immunofluorescence Antibody - Epithelial Architecture Marker is available for research use only.



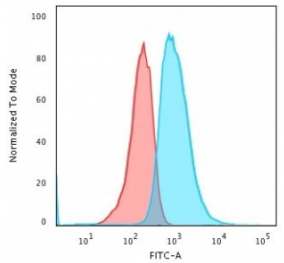
E-cadherin Antibody for IF. Immunofluorescence analysis of Cadherin 1 / CDH1 expression in human MCF7 cells using clone ECD1-3R antibody (green), showing strong membrane-associated staining outlining organized epithelial cell clusters, with Reddot nuclear stain (red). Signal highlights epithelial architecture, uniform cell packing, and well-defined cell boundaries consistent with structured epithelial organization.



Western blot testing of human MCF-7 cell lysate with recombinant E-Cadherin antibody (clone ECD1-3R). Expected molecular weight: 135 kDa (precursor), 80-120 kDa (mature, depending on glycosylation level).



E-Cadherin Antibody Human Cervix IHC. Immunohistochemistry of formalin-fixed, paraffin-embedded human cervix stained with E-Cadherin antibody (clone ECD1-3R). Required HIER: boil tissue sections in 10mM citrate buffer, pH6, for 10-20 min followed by cooling at RT for 20 min.



Flow cytometry testing of human MCF7 cells with recombinant E-Cadherin antibody (clone ECD1-3R); Red=isotype control, Blue= recombinant E-Cadherin antibody.

Description

E-cadherin (CDH1) is a central regulator of epithelial architecture, controlling cell-cell adhesion and structural organization through adherens junction formation. E-cadherin localizes to the plasma membrane at intercellular junctions, where it establishes cohesive epithelial layers and maintains tissue integrity. E-cadherin Antibody for IF enables high-resolution visualization of epithelial structure in cultured cells, allowing direct assessment of cellular arrangement and organization. E-cadherin is also widely referred to as CDH1 antibody and serves as a key marker of epithelial morphology.

E-cadherin Antibody for IF / CDH1 Immunofluorescence Antibody - Epithelial Architecture Marker (clone ECD1-3R) is designed for imaging applications that emphasize structural organization of epithelial cells. The recombinant rabbit monoclonal clone ECD1-3R antibody produces strong membrane-associated fluorescence in MCF7 cells, clearly outlining organized epithelial clusters and cell boundaries. This clone ECD1-3R antibody supports consistent immunofluorescence imaging and enables visualization of epithelial arrangement at high resolution.

In immunofluorescence studies, E-cadherin antibody highlights the spatial organization of epithelial cells by outlining cell borders and revealing overall tissue-like structure in monolayer cultures. This enables assessment of cell alignment, packing density, and maintenance of organized epithelial layers. Disruption of E-cadherin expression leads to loss of structural organization, resulting in irregular morphology and disordered cellular arrangement. E-cadherin Antibody for IF

is therefore an effective tool for studying epithelial architecture in both normal and transformed cells.

E-cadherin contributes to epithelial structure not only through adhesion but also through coordination of cytoskeletal and signaling networks that regulate cell shape and organization. Its interaction with catenin proteins links adhesion complexes to intracellular pathways that influence differentiation and tissue patterning. E-cadherin immunofluorescence antibody enables visualization of these structural relationships within epithelial systems.

This E-cadherin antibody is particularly useful for fluorescence-based analysis of epithelial architecture, where visualization of organized cell layers and structural integrity is required. The clear membrane staining produced by clone ECD1-3R supports accurate interpretation of epithelial arrangement and imaging workflows focused on tissue-like organization.

This antibody is part of the CDH1 antibody collection, where multiple E-cadherin antibody formats and applications are available for studying epithelial adhesion and cancer progression.

Application Notes

The stated application concentrations are suggested starting points. Titration of the E-cadherin Antibody for IF / CDH1 Immunofluorescence Antibody - Epithelial Architecture Marker may be required due to differences in protocols and secondary/substrate sensitivity.

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

Recombinant human protein was used as the immunogen for the E-Cadherin antibody.

Storage

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

Alternate Names

CDH1 antibody, E-cadherin IF antibody, epithelial architecture antibody, epithelial organization marker antibody, tissue structure antibody

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