

E-cadherin Monoclonal Antibody (HECD-1)

Product Details	
Size	100 µg
Species reactivity	Guinea pig, Human
Published species	Avian, Bovine, Dog, Fruit fly, Human, Insect, Mouse, Rat
Host / Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	HECD-1
Conjugate	Unconjugated
Immunogen	Human breast tumor cell line MCF-7.
Form	Lyophilized
Concentration	2.0 mg/mL
Purification	Ion-exchange chromatography
Storage buffer	PBS, pH 7.4, with 1% BSA
Contains	no preservative
Storage conditions	4°C
RRID	AB_2533003

Applications	Tested Dilution	Publications
ELISA (ELISA)	2-10 µg/mL	1 Publication
Flow Cytometry (Flow)	1 µg/mL	7 Publications
Immunocytochemistry (ICC/IF)	1 µg/mL	50 Publications
Immunohistochemistry (IHC)	-	38 Publications
Immunohistochemistry (Frozen) (IHC (F))	2-10 µg/mL	4 Publications
Immunohistochemistry (Paraffin) (IHC (P))	2-10 µg/mL	46 Publications
Immunoprecipitation (IP)	-	3 Publications
Inhibition Assays (IA)	100 µg/mL	3 Publications
Miscellaneous Pubmed (Misc)	-	96 Publications
Neutralization (Neu)	-	1 Publication
Western Blot (WB)	2-10 µg/mL	45 Publications

Product Specific Information

Source: Monoclonal antibody was obtained by fusing the P3-X63-Ag8-U1 mouse myeloma cell line with spleen cells of BALB/c mouse after immunization with human breast tumor cell line MCF-7.

Specificity: This antibody specifically reacts with human E-cadherin. This antibody inhibits E-cadherin dependent cell-cell contact.

Cross reactivity: This antibody reacts with guinea pig E-cadherin. This antibody does not react with bovine, dog, rat or chicken E-cadherin.

Storage: 4°C This product does not contain preservative. The stock solution (2.0 mg/mL) should be stored in aliquots at -20°C for 1 year, or should be stored at 4°C for 6 months after adding 0.1% sodium azide. Avoid repeated freeze-thaw cycles. Diluted antibody should not be stored.

Reconstitution: Dissolve the lyophilized antibody in 50 µL of distilled water (final concentration: 2.0 mg/mL). This solution can be used as a stock solution. If dilution is necessary for your application, dilute the stock solution with the following Dilution solution just prior to use. When the entire amount of antibody is to be used over a short time period, it may be dissolved directly in 500 µL or more of the Dilution solution. Be sure to store the antibody at a minimum concentration of 2.0 mg/mL. A lower antibody concentration may result in decreased stability. Reconstituted antibody solution should contain 0.1% sodium azide as a preservative when stored at 4°C.

Ca²⁺ should be contained in all the buffers to stabilize cadherin antigen.

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