

## E-cadherin Monoclonal Antibody (ECCD-2)

Product Details	
Size	100 µg
Species reactivity	Mouse
Published species	Avian, Dog, Fish, Hamster, Human, Mouse, Pig, Rat, Tag
Host / Isotype	Rat / IgG2a
Class	Monoclonal
Type	Antibody
Clone	ECCD-2
Conjugate	Unconjugated
Immunogen	Mouse liver E-cadherin fragment.
Form	Lyophilized
Concentration	2.0 mg/mL
Purification	Ion-exchange chromatography
Storage buffer	TBS, pH 7.5, with 1% BSA
Contains	no preservative
Storage conditions	4° C
RRID	AB_2533005

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	-	12 Publications
Immunocytochemistry (ICC/IF)	-	59 Publications
Immunohistochemistry (IHC)	-	95 Publications
Immunohistochemistry (Frozen) (IHC (F))	10 µg/mL	12 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	11 Publications
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	2 Publications
Immunomicroscopy (IM)	-	1 Publication
Immunoprecipitation (IP)	-	2 Publications
Miscellaneous Pubmed (Misc)	-	34 Publications
Western Blot (WB)	10 µg/mL	34 Publications

### Product Specific Information

Source: Monoclonal antibody was obtained by fusing the P3-X63-Ag8 mouse myeloma cell line with spleen cells of Donryu rat after immunization with mouse teratocarcinoma and mouse liver E-cadherin fragment.

Specificity: This antibody specifically reacts with mouse E-cadherin. This antibody does not inhibit E-cadherin-dependent cell-cell contact.

Cross reactivity: This antibody reacts with human and dog E-cadherin. This antibody does not react with bovine or chicken E-cadherin.

Western blot can be performed under reducing or non-reducing conditions.

Reconstitution and dilution: dissolve the lyophilized antibody in 50 µl of distilled water to a 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 in 500 µL or more of the following dilution solution: 20mM TBS (pH 7.5), 10mM CaCl<sub>2</sub>, 1.0% BSA, 0.1% NaN<sub>3</sub>. Note that TBS should be used for dilution, as PBS causes precipitation.

Storage: When stored at 4°C, 0.1% sodium azide should be added as a preservative. Store the antibody at a minimum concentration of 2.0 mg/mL; a lower antibody concentration may result in decreased stability. The stock solution (2.0mg/mL) should be stored in aliquots at -20°C for 1year, or stored at 4°C for 6 months after adding 0.1% sodium azide. Avoid repeated freeze-thaw cycles. Diluted antibody should not be stored.

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