

E-cadherin Monoclonal Antibody (ECCD-2)

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Dog, Tag, Avian, Rat, Pig, Hamster, Fish, Human, Mouse
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	20mM TBS, pH 7.5, with 1% BSA
Contains	no preservative
Storage conditions	4° C
RRID	AB_2533005

Applications	Tested Dilution	Publications
Western Blot (WB)	10 µg/mL	32 Publications
Immunohistochemistry (IHC)	-	71 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	10 Publications
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	10 µg/mL	10 Publications
Immunocytochemistry (ICC/IF)	-	51 Publications
Flow Cytometry (Flow)	-	11 Publications
Immunoprecipitation (IP)	-	2 Publications
Miscellaneous PubMed (Misc)	-	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 μ L or more of the following dilution solution: 20mM TBS (pH 7.5), 10mM CaCl₂, 1.0% BSA, 0.1% NaN₃. 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.

Western Blot (32)

<p>The Journal of clinical investigation</p> <p>Cyclin G1 induces maladaptive proximal tubule cell dedifferentiation and renal fibrosis through CDK5 activation.</p> <p>"13-1900 was used in Western Blotting to demonstrate that global deletion of CG1 inhibits G2/M arrest and fibrosis."</p> <p>Authors: Taguchi K,Elias BC,Sugahara S,Sant S,Freedman BS,Waikar SS,Pozzi A,Zent R,Harris RC,Parikh SM,Brooks CR</p>	<p>Year 2022</p> <p>Species Mouse</p>
<p>Current biology : CB</p> <p>The CD44/COL17A1 pathway promotes the formation of multilayered, transformed epithelia.</p> <p>"13-1900 was used in Western Blotting to suggest that CD44 and COL17A1 are crucial regulators for the clonal expansion of transformed cells within multilayered epithelia, thus being potential targets for early diagnosis and preventive treatment for precancerous lesions."</p> <p>Authors: Kozawa K,Sekai M,Ohba K,Ito S,Sako H,Maruyama T,Kakeno M,Shirai T,Kuromiya K,Kamasaki T,Kohashi K,Tanaka S,Ishikawa S,Sato N,Asano S,Suzuki H,Tanimura N,Mukai Y,Gotoh N,Tanino M,Tanaka S,Natsuga K,Soga T,Nakamura T,Yabuta Y,Saitou M,Ito T,Matsuura K,Tsunoda M,Kikumori T,Iida T,Mizutani Y,Miyai Y,Kaibuchi K,Enomoto A,Fujita Y</p>	<p>Year 2021</p> <p>Species Mouse</p>

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Immunohistochemistry (71)

<p>The Journal of clinical investigation</p> <p>Cyclin G1 induces maladaptive proximal tubule cell dedifferentiation and renal fibrosis through CDK5 activation.</p> <p>"13-1900 was used in Western Blotting to demonstrate that global deletion of CG1 inhibits G2/M arrest and fibrosis."</p> <p>Authors: Taguchi K,Elias BC,Sugahara S,Sant S,Freedman BS,Waikar SS,Pozzi A,Zent R,Harris RC,Parikh SM,Brooks CR</p>	<p>Year 2022</p> <p>Species Mouse</p>
<p>Life science alliance</p> <p>Aerocyte specification and lung adaptation to breathing is dependent on alternative splicing changes.</p> <p>"13-1900 was used in Immunohistochemistry-immunofluorescence to reveal that the cell type-specific regulation of It;igt; Vegfalt;igt; alternative splicing just before birth modulates the epithelial-endothelial crosstalk in the developing alveoli to promote lung adaptation to breathing."</p> <p>Authors: Fidalgo MF,Fonseca CG,Caldas P,Raposo AA,Balboni T,Henao-Mišíková L,Grosso AR,Vasconcelos FF,Franco CA</p>	<p>Year 2022</p> <p>Species Mouse</p> <p>Dilution 1:1000</p>

View more IHC references on thermofisher.com

More applications with references on thermofisher.com

- IHC (P) (10)
- IHC (PFA) (1)
- IHC (F) (10)
- ICC/IF (51)
- Flow (11)
- IP (2)
- Misc (34)

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