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Product datasheet for AM00010PU-N

E Cadherin (CDH1) (incl. pos. control) Mouse Monoclonal Antibody [Clone ID: 22F8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	22F8
Applications:	WB
Recommended Dilution:	Immunoblotting: 0.5 µg/ml for HRPO/ECL detection. Recommended buffer: Casein/Tween 20 based blocking and blot incubation buffer. Use cell lysate from untreated A431 cells as positive control.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Peptide conjugated to hemocyanin. Epitope: cytoplasmic domain.
Specificity:	This antibody specifically recognizes E-cadherin at 124 kDa.
Formulation:	2 x PBS / 0.09% sodium azide / PEG and sucrose State: Purified State: Lyophilized Ig fraction
Reconstitution Method:	Restore with 1 ml H2O (15 min, RT).
Purification:	The antibody was purified from serum-free cell culture supernatant by subsequent ultrafiltration and size exclusion chromatography.
Conjugation:	Unconjugated
Storage:	For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen; reconstituted antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months. Avoid repeated freezing and thawing.
Gene Name:	cadherin 1
Database Link:	Entrez Gene 999 Human P12830

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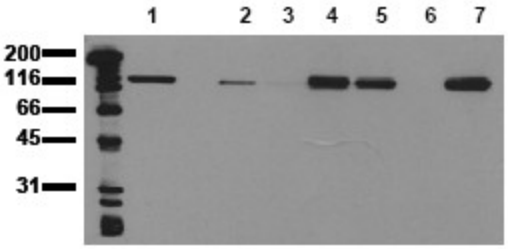
Background: Cadherins are a family of transmembrane glycoproteins that play a key role in calcium-dependent cell-cell adhesion. Several members of the cadherin family have been identified so far, including E-(epithelial), P-(placental), N-(neuronal), and M- muscle) cadherin. E-cadherin is expressed
in most epithelial tissues.

Synonyms: Epithelial cadherin, E-cadherin, Uvomorulin, CAM 120/80, CDH1, CDHE, UVO

Note: Cell lysate from untreated A431 cells as positive control is supplied with this product.

Protocol: Positive control provided: Control cell lysate A 431 untreated
Format: Lyophilized cell lysate from serum starved A431 cells.
Reconstitute by addition of 200 µl H2O. After complete solubilization add 200 µl 2x SDS-PAGE sample buffer, mix and incubate at 90°C for 5 min.
Applications: The positive control cell lysate is recommended for immunoblot applications.
20 ml of positive control cell lysate correspond to ca. 20.000 cells.
Use 20 µl / lane (mini gel) for HRPO/ECL detection of the target proteins.
Please note:
The lyophilized cell lysates contain SDS and are not recommended for applications with native proteins such as immunoprecipitation.
Storage: In aliquots at -20°C. Avoid repeated freezing and thawing.

Product images:



Detection of endogenous E - cadherin Whole cell lysates of serum starved tumor cells (20.000 cells per lane) were applied to SDS-PAGE and transferred to a PVDF membrane. The immunoblot was probed with mab 22F8 (0.5 ug/ml) for 1h at RT and developed by ECL (exp. time: 30 sec). lane 1: A431; lane 2: SW480; lane 3: SW620; lane 4: HT29; lane 5: MCF-7; lane 6: MDA-MB 231; lane 7: T47D

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