

Product datasheet for **AM00010BT-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. <i>Recommended blocking buffer:</i> Casein/Tween 20 based blocking and blot incubation buffer. <i>Included Positive Control:</i> Cell lysate from untreated A431 (See Protocols for more details).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Peptide conjugated to hemocyanin. Epitope: Cytoplasmic domain.
Specificity:	This monoclonal antibody specifically recognizes E-Cadherin at 124 kDa.
Formulation:	PBS containing 0.09% Sodium Azide, PEG and Sucrose. Label: Biotin State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Subsequent Ultrafiltration and Size Exclusion Chromatography.
Conjugation:	Biotin
Storage:	Aliquote and freeze in liquid nitrogen. 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.
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:	Protocol: Positive Control: Cell lysate from untreated A431 cells, epidermoid carcinoma (Human) Format: Lyophilized cell lysate from serum starved A431 cells. Reconstitution: Restore by addition of 200 µl H ₂ O. After complete solubilization add 200 µl 2x SDS-PAGE sample buffer, mix and incubate at 90°C for 5 min. Application: The positive control cell lysate is recommended for immunoblot applications. 20 µl 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 in immunoprecipitation. Storage: Aliquote reconstituted product and store frozen. Avoid repeated freezing and thawing.
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Adherens junction, Bladder cancer, Cell adhesion molecules (CAMs), Endometrial cancer, Melanoma, Pathogenic Escherichia coli infection, Pathways in cancer, Thyroid cancer