

CDH11 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant CDH11.****Catalog # AT1471a****Specification**

CDH11 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	P55287
Other Accession	NM_001797
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	87965

CDH11 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 1009**Other Names**

Cadherin-11, OSF-4, Osteoblast cadherin, OB-cadherin, CDH11

Target/Specificity

CDH11 (NP_001788, 509 a.a. ~ 617 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

CDH11 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

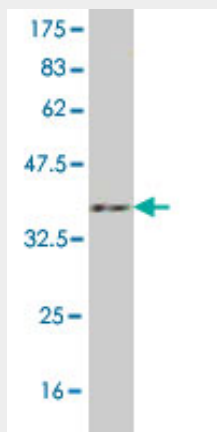
CDH11 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

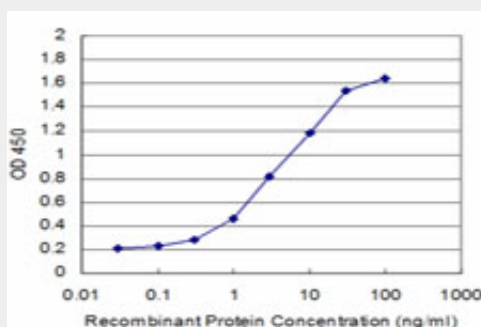
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CDH11 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 kDa) .



Detection limit for recombinant GST tagged CDH11 is approximately 0.3ng/ml as a capture antibody.

CDH11 Antibody (monoclonal) (M01) - Background

This gene encodes a type II classical cadherin from the cadherin superfamily, integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Mature cadherin proteins are composed of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small, highly conserved C-terminal cytoplasmic domain. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. Expression of this particular cadherin in osteoblastic cell lines, and its upregulation during differentiation, suggests a specific function in bone development and maintenance.

CDH11 Antibody (monoclonal) (M01) - References

1. Development of a Surface Plasmon Resonance Biosensor for Real-Time Detection of Osteogenic Differentiation in Live Mesenchymal Stem Cells. Kuo YC, Ho JH, Yen TJ, Chen HF, Lee OK. PLoS One. 2011;6(7):e22382. Epub 2011 Jul 27.