

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

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**CDH11 Antibody (monoclonal) (M01) - Product Information**

Application	WB, E
Primary Accession	<a href="#">P55287</a>
Other Accession	<a href="#">NM_001797</a>
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

E~~N/A

**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.

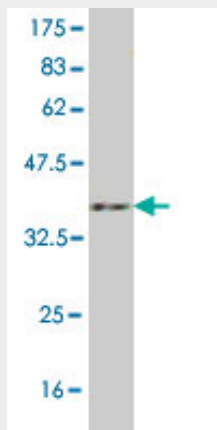
**CDH11 Antibody (monoclonal) (M01) - Protocols**

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

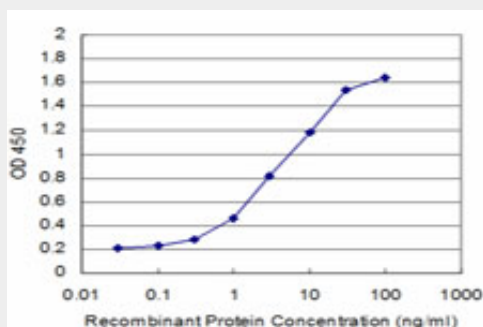
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [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.