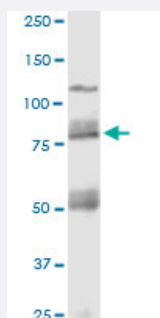


# CDH11 monoclonal antibody (M05), clone 3C8

Catalog # H00001009-M05

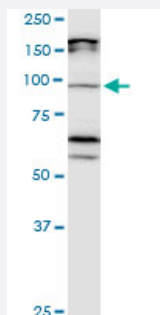
Size 100 ug

## Applications



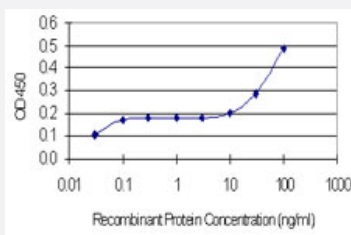
### Western Blot (Tissue lysate)

CDH11 monoclonal antibody (M05), clone 3C8. Western Blot analysis of CDH11 expression in human kidney.



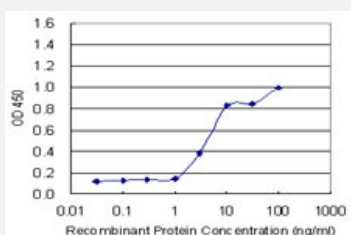
### Western Blot (Cell lysate)

CDH11 monoclonal antibody (M05), clone 3C8. Western Blot analysis of CDH11 expression in MCF-7.



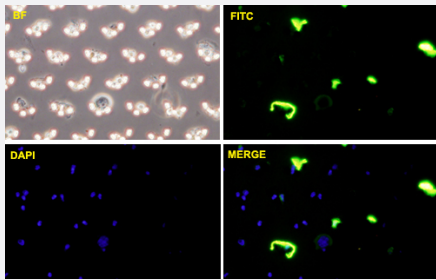
### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CDH11 is 3 ng/ml as a capture antibody.



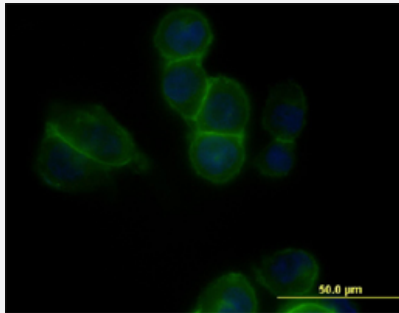
### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CDH11 is 1 ng/ml as a capture antibody.



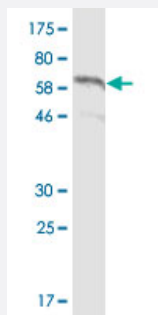
## Immunofluorescence (Circulating Tumor Cell)

PC3-MM2 cells were stained with CDH11-FITC labeled monoclonal antibody (Green). The cell nucleus were counterstained with DAPI (Blue).



## Immunofluorescence

Immunofluorescence of monoclonal antibody to CDH11 on PC3-MM2 cell.  
[antibody concentration 10 ug/ml]



Western Blot detection against CHD11-His tag (61.49 KDa).

## Specification

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Mouse monoclonal antibody raised against a partial recombinant CDH11.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Immunogen</b>           | CDH11 (P55287, 54 a.a. ~ 612 a.a) partial recombinant protein with Fc tag at C terminal. MW of the Fc tag alone is 50 KDa.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Sequence</b>            | <p>GWVWNQFFVIEEYTGPDPLVGRHLHSDIDSGDGNIKYILSGEGAGTIFVIDDKSGNIHATKTLDREE</p> <p>RAQYTLMAQAVDRDNTNRPLEPPSEFIVKVQDINDNPPEFLHETYHANVPERSNVGTSVIQVTASDA</p> <p>DDPTYGNSAKLVYSILEGQPYFSVEAQTGIIRTALPNMDREAKEEYHVVIQAKDMGGHMGGLSGTT</p> <p>KVMITLTDVNDNPPKFPQSVYQMSVSEAAVPGEVGRVKAKDPDIGENGLVTYNIVDGDGMESF</p> <p>EITTDYETQEGVIKLLKPPVDFETKRAYSLKVEAANVHIDPKFISNGPFKDTVTVKIAVEDADEPPMF</p> <p>LAPSYIHEVQENAAAAGTVVGRVHAKDPDAANSPIRYSIDRHTDLDRFFTINPEDGFIKTTKPLDREE</p> <p>TAWLNITVFAAEIHNHRHQEAKVPVAIRVLDVNDNAPKFAAPYEGFICESDQTKPLSNQPIVTISADD</p> <p>KDDTANGPRFIFSLPPEIIHNPNFTVRDNRDNTAGVYARRGGFSRQKQDLYLLPMISDGGIPPMSSST</p> <p>NLTITKVCGCDVNGALLSCNAEAYILN</p> |
| <b>Host</b>                | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

|                                      |                                                                                                             |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                    | Human                                                                                                       |
| <b>Interspecies Antigen Sequence</b> | Mouse (97); Rat (98)                                                                                        |
| <b>Isotype</b>                       | IgG1 Kappa                                                                                                  |
| <b>Quality Control Testing</b>       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against CHD11-His tag (61.49 KDa). |
| <b>Storage Buffer</b>                | In 1x PBS, pH 7.4                                                                                           |
| <b>Storage Instruction</b>           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                    |

## Applications

- Western Blot (Tissue lysate)

CDH11 monoclonal antibody (M05), clone 3C8. Western Blot analysis of CDH11 expression in human kidney.

[Protocol Download](#)

- Western Blot (Cell lysate)

CDH11 monoclonal antibody (M05), clone 3C8. Western Blot analysis of CDH11 expression in MCF-7.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CDH11 is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CDH11 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence (Circulating Tumor Cell)

PC3-MM2 cells were stained with CDH11-FITC labeled monoclonal antibody (Green). The cell nucleus were counterstained with DAPI (Blue).

- Immunofluorescence

Immunofluorescence of monoclonal antibody to CDH11 on PC3-MM2 cell. [antibody concentration 10 ug/ml]

## Gene Info — CDH11

Entrez GeneID [1009](#)

GeneBank Accession# [BC013609.1](#)

Protein Accession# [P55287](#)

Gene Name CDH11

Gene Alias CAD11, CDHOB, OB, OSF-4

Gene Description cadherin 11, type 2, OB-cadherin (osteoblast)

Omim ID [600023](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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. [provided by RefSeq]

**Other Designations** OB-cadherin|cadherin 11, type 2|cadherin-11|osteoblast cadherin

## Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Esophageal Neoplasms](#)

- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Mouth Neoplasms](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Pharyngeal Neoplasms](#)
- [Tobacco Use Disorder](#)