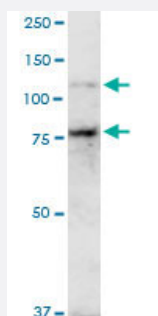


CDH11 monoclonal antibody (M04), clone 1A5

Catalog # H00001009-M04

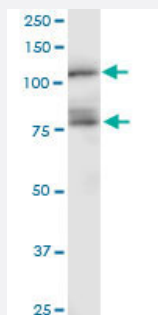
Size 100 ug

Applications



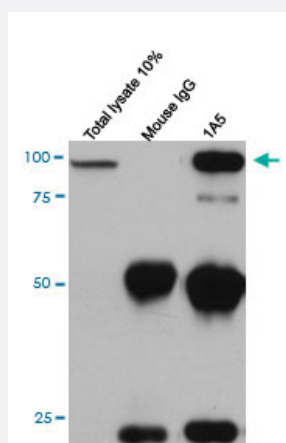
Western Blot (Tissue lysate)

CDH11 monoclonal antibody (M04), clone 1A5. Western Blot analysis of CDH11 expression in human ovarian cancer.



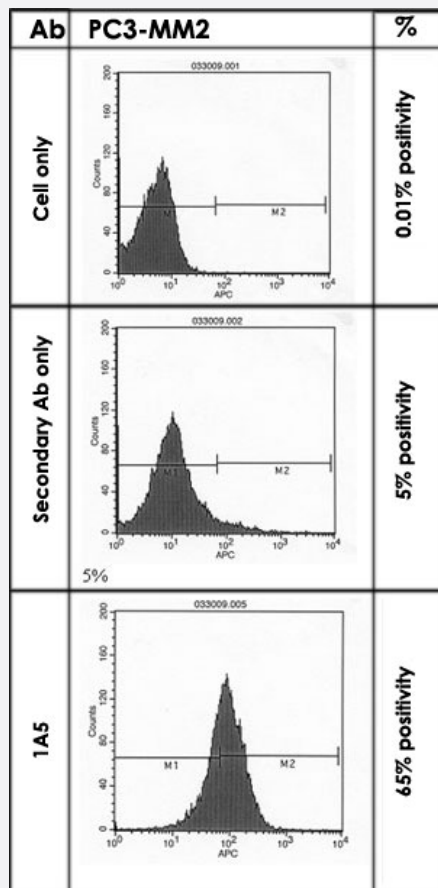
Western Blot (Tissue lysate)

CDH11 monoclonal antibody (M04), clone 1A5. Western Blot analysis of CDH11 expression in human kidney.



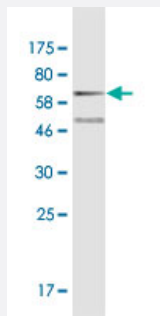
Immunoprecipitation

Immunoprecipitation of full length CDH11 over expression in L cell using CDH11 monoclonal antibody (M03), clone 1A5 (Cat # MAB1303-M03), and immunoblotted with CDH11 monoclonal antibody (Zymed).



Flow Cytometry

FACS analysis of negative control PC3-MM2 cells only, mock control cells staining with 2nd antibodies and CDH11 stained PC3-MM2 cells.



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

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CDH11.
Immunogen	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.
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97); Rat (98)

Isotype	IgG
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against CHD11-His tag (61.49 KDa).
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

CDH11 monoclonal antibody (M04), clone 1A5. Western Blot analysis of CDH11 expression in human ovarian cancer.

[Protocol Download](#)

- Western Blot (Tissue lysate)

CDH11 monoclonal antibody (M04), clone 1A5. Western Blot analysis of CDH11 expression in human kidney.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of full length CDH11 over expression in L cell using CDH11 monoclonal antibody (M03), clone 1A5 (Cat # MAB1303-M03), and immunoblotted with CDH11 monoclonal antibody (Zymed).

- ELISA

- Functional Study

Effective in blocking cadherin-11-mediated cell aggregation.

- Flow Cytometry

FACS analysis of negative control PC3-MM2 cells only, mock control cells staining with 2nd antibodies and CDH11 stained PC3-MM2 cells.

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

Publication Reference

- [Cadherin-11 mRNA transcripts are frequently found in rheumatoid arthritis peripheral blood and correlate with established polyarthritis.](#)

Sfikakis PP, Christopoulos PF, Vaiopoulos AG, Fragiadaki K, Katsiari C, Kapsimali V, Lallas G, Panayiotidis P, Korkolopoulou P, Koutsilieris M.

Clinical Immunology 2014 Nov; 155(1):33.

Application: IHC, Flow Cyt, Human, Synovial tissue

- [Inhibition of cell adhesion by a cadherin-11 antibody thwarts bone metastasis.](#)

Lee YC, Bilen MA, Yu G, Lin SC, Huang CF, Ortiz A, Cho H, Song JH, Satcher RL, Kuang J, Gallick GE, Yu-Lee LY, Huang W, Lin SH.

Molecular Cancer Research : MCR 2013 Nov; 11(11):1401.

Application: Flow Cyt, WB-Tr, Mouse, L-vector, L-Cad11, L-Cad11-W2A, L-Cad11-6A cells

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)

- [Diabetes Complications](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Laryngeal Neoplasms](#)
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- [Tobacco Use Disorder](#)