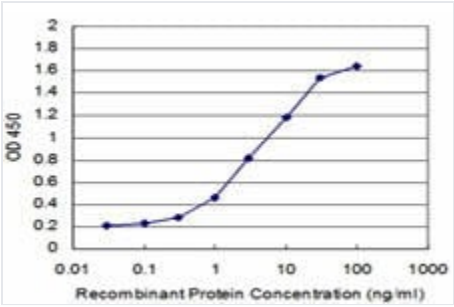
CDH11 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CDH11, Monoclonal Antibody
Full Product Name	CDH11 (Cadherin 11, Cadherin-11, OSF-4, Osteoblast Cadherin, OB-cadherin) (MaxLight 750)
Product Gene Name	anti-CDH11 antibody
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	4D10
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human CDH11.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recov product, centrifuge the original vial prior to removing the cap.
Molecular Weight	76,457 Da
OMIM	600023
3D Structure	ModBase 3D Structure for P55287
Immunogen	Partial recombinant corresponding to aa509-617 from human CDH11 (NP_001788) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	PIVTISADDKDDTANGPRFIFSLPPEIIHNPNFTVRDNRDNTAGVYARRGGFSRQKQDLYLLPIVISDGGIPPMSSTNTLTIKVCGCDVNGALLSCNAEAYILN
Conjugate	MaxLight750
Product Categories/Family for anti-CDH11 antibody	Antibodies; Cadherin
Applications Tested/Suitable for anti-CDH11 antibody	FLISA
Application Notes for anti-CDH11 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CDH11 antibody	Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadh may thus contribute to the sorting of heterogeneous cell types.

Product References and Citations for anti-CDH11 antibody	1. Development of a Surface Plasmon Resonance Biosensor for Real-Time Detection of Osteogenic Differentiation in Live Mesenchymal Stem Cells. K Ho JH, Yen TJ, Chen HF, Lee OK.PLoS One. 2011;6(7):e22382. Epub 2011 Jul 27.
Other Notes	Small volumes of anti-CDH11 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and add dry ice fee may apply.
Searchable Terms for CDH11 purchase	MBS6232070 is an antibody targeting CDH11. Also known as CDH11 (Cadherin 11, Cadherin-11, OSF-4, Osteoblast Cadherin, OB-cadherin) (MaxLigh Reactive in Human. Host: Mouse.



Testing Data of anti-CDH11 antibody
Detection limit for recombinant GST tagged CDH11 is ~0.3ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDH11. It may not necessarily be applicable to this product.

NCBI GI #	16306532
NCBI GeneID	1009
NCBI Accession #	NP_001788
UniProt Primary Accession #	P55287
UniProt Secondary Accession #	Q15065; Q15066; Q9UQ93; Q9UQ94; A8K5D6; A8MZC8; B7WP28
UniProt Related Accession #	P55287
GenBank Nucleotide #	NM_001797
NCBI Official Full Name	cadherin-11 preproprotein
NCBI Official Synonym Full Names	cadherin 11, type 2, OB-cadherin (osteoblast)
NCBI Official Symbol	CDH11
NCBI Official Synonym Symbols	OB; CAD11; CDHOB; OSF-4
UniProt Protein Name	Cadherin-11
UniProt Synonym Protein Names	OSF-4; Osteoblast cadherin
Protein Family	Cadherin
UniProt Gene Name	CDH11
UniProt Synonym Gene Names	OB-cadherin
UniProt Entry Name	CAD11_HUMAN
NCBI Protein Information	cadherin-11

UniProt Comments for CDH11	CDH11: Cadherins are calcium dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. Interacts with PCDH8. Expressed mainly in brain but also found in other tissues. Expressed in neuroblasts. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Cell adhesion; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 16q21 Cellular Component: cytoplasm; integral to membrane; plasma membrane Molecular Function: calcium ion binding Biological Process: intercellular junction assembly and maintenance; ossification; corticospinal tract morphogenesis; homophilic cell adhesion; cell adhesion; skeletal development
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