Cadherin-7 (CDH7) ELISA Kit for Monkey

PRODUCT OVERVIEW

Product Name	Cadherin-7 (CDH7), ELISA Kit
Full Product Name	Monkey Cadherin-7 (CDH7) ELISA Kit
Product Gene Name	CDH7 elisa kit
Species Reactivity	Monkey
Assay Type	Competitive
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	87,086 Da
OMIM	605806
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
Product Categories/Family for CDH7 elisa kit	Signal Transduction
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for CDH7 elisa kit	MBS7203311 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Cadherin-7 (CDH7) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CDH7. The ELISA analytical biochemical technique of the MBS7203311 kit is based on CDH7 antibody-CDH7 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CDH7 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CDH7. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of CDH7 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, 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 additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDH7. It may not necessarily be applicable to this product.

NCBI GI #	16306489
NCBI GeneID	1005
NCBI Accession #	NP_004352.2
UniProt Secondary Accession #	Q9H157
UniProt Related Accession #	Q9ULB5
GenBank Nucleotide #	NM_004361.2

NCBI Official Full Name	cadherin-7 preproprotein
NCBI Official Synonym Full Names	cadherin 7, type 2
NCBI Official Symbol	CDH7
NCBI Official Synonym Symbols	CDH7L1
UniProt Protein Name	Cadherin-7
Protein Family	Cadherin
UniProt Gene Name	CDH7
UniProt Synonym Gene Names	CDH7L1
UniProt Entry Name	CADH7_HUMAN
NCBI Protein Information	cadherin-7
NCBI Summary for CDH7	This gene is a type II classical cadherin from the cadherin superfamily. The encoded membrane protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. Cadherins mediate cell-cell binding in a homophilic manner, contributing to the sorting of heterogeneous cell types and the maintenance of orderly structures. Alternative splicing in the 5' UTR of this gene yields variant transcripts encoding the same protein. [provided by RefSeq, Jul 2008]
UniProt Comments for CDH7	CDH7: 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. Protein type: Cell adhesion; Membrane protein, integral Chromosomal Location of Human Ortholog: 18q22.1 Cellular Component: plasma membrane; integral to membrane Molecular Function: calcium ion binding Biological Process: intercellular junction assembly and maintenance; cell-cell adhesion; homophilic cell adhesion
Research Articles on CDH7	**1.** Our results support CDH7 to be a risk factor of major depressive disorder in the Han Chinese population
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