

Rat Cadherin-10 (CDH10) ELISA Kit | CDH10 elisa kit

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CATALOG #
AAA244357

REACTIVITY
Rat

PRODUCT SYNONYMS

Cadherin-10 (CDH10); Rat Cadherin-10 (CDH10) ELISA Kit; CDH10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This CDH10 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CDH10. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for CDH10 elisa kit	Principle of the Assay: CDH10 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CDH10 antibody and an CDH10-HRP conjugate. The assay sample and buffer are incubated together with CDH10-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CDH10 concentration since CDH10 from samples and CDH10-HRP conjugate compete for the anti-CDH10 antibody binding site. Since the number of sites is limited, as more sites are occupied by CDH10 from the sample, fewer sites are left to bind CDH10-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CDH10 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CDH10 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	16306530
NCBI GeneID	1008
NCBI Accession #	NP_006718.2
NCBI GenBank Nucleotide #	NM_006727.3
Molecular Weight	88,451 Da
NCBI Official Full Name	cadherin-10 preproprotein
NCBI Official Synonym Full Names	cadherin 10, type 2 (T2-cadherin)

NCBI Official Symbol	CDH10
NCBI Protein Information	cadherin-10; T2-cadherin; cadherin 10 type 2
UniProt Protein Name	Cadherin-10
UniProt Gene Name	CDH10
UniProt Entry Name	CAD10_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/cadherin-10-cdh10/244357>