

Rat Cadherin-11 (CDH11) ELISA Kit | CDH11 elisa kit

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CATALOG #
AAA245244

REACTIVITY
Rat

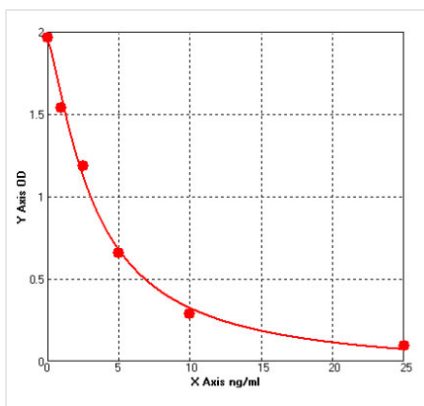
PRODUCT SYNONYMS

Cadherin-11 (CDH11); Rat Cadherin-11 (CDH11) ELISA Kit; CDH11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CDH11. No significant cross-reactivity or interference between CDH11 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CDH11 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDH11 elisa kit	Principle of the Assay: CDH11 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CDH11 antibody and an CDH11-HRP conjugate. The assay sample and buffer are incubated together with CDH11-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 CDH11 concentration since CDH11 from samples and CDH11-HRP conjugate compete for the anti-CDH11 antibody binding site. Since the number of sites is limited, as more sites are occupied by CDH11 from the sample, fewer sites are left to bind CDH11-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CDH11 concentration in each sample is interpolated from this standard curve. Intended Uses: This CDH11 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CDH11. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CDH11 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	16306532
NCBI GeneID	1009
NCBI Accession #	NP_001788.2
NCBI GenBank Nucleotide #	NM_001797.2
Molecular Weight	76,457 Da
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
NCBI Protein Information	cadherin-11
UniProt Protein Name	Cadherin-11
UniProt Gene Name	CDH11
UniProt Synonym Gene Names	OB-cadherin
UniProt Entry Name	CAD11_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://stage.aaabiotech.com/rat-elisa-kits/cadherin-11-cdh11/245244>