

Rat Claudin-11 (CLDN11) ELISA Kit | CLDN11 elisa kit

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CATALOG #
AAA245859

REACTIVITY
Rat

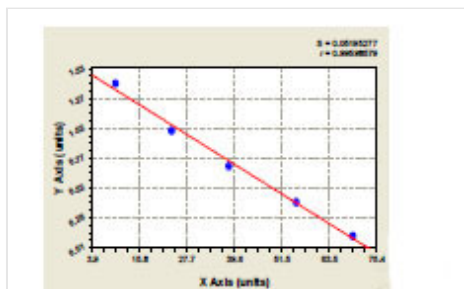
PRODUCT SYNONYMS

Claudin-11 (CLDN11); Rat Claudin-11 (CLDN11) ELISA Kit; CLDN11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for CLDN11 elisa kit

Intended Uses: This CLDN11 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CLDN11.

Principle of the Assay: CLDN11 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-CLDN11 antibody and an CLDN11-HRP conjugate. The assay sample and buffer are incubated together with CLDN11-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 CLDN11 concentration since CLDN11 from samples and CLDN11-HRP conjugate compete for the anti-CLDN11 antibody binding site. Since the number of sites is limited, as more sites are occupied by CLDN11 from the sample, fewer sites are left to bind CLDN11-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CLDN11 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CLDN11 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	297374750
NCBI GeneID	5010
NCBI Accession #	NP_001171985.1
NCBI GenBank Nucleotide #	NM_001185056.1
Molecular Weight	21,993 Da
NCBI Official Full Name	claudin-11 isoform 2
NCBI Official Synonym Full Names	claudin 11
NCBI Official Symbol	CLDN11
NCBI Official Synonym Symbols	OSP; OTM
NCBI Protein Information	claudin-11; oligodendrocyte-specific protein; oligodendrocyte transmembrane protein
UniProt Protein Name	Claudin-11
UniProt Gene Name	CLDN11
UniProt Synonym Gene Names	OSP; OTM
UniProt Entry Name	CLD11_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/claudin-11-cldn11/245859>