

Rat Opalin (OPALIN) ELISA Kit | OPALIN elisa kit

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CATALOG #
AAA246655

REACTIVITY
Rat

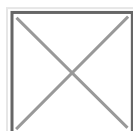
PRODUCT SYNONYMS

Opalin (OPALIN); Rat Opalin (OPALIN) ELISA Kit; OPALIN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of OPALIN. No significant cross-reactivity or interference between OPALIN and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between OPALIN 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 OPALIN elisa kit	<p>Principle of the Assay: OPALIN ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-OPALIN antibody and an OPALIN-HRP conjugate. The assay sample and buffer are incubated together with OPALIN-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 OPALIN concentration since OPALIN from samples and OPALIN-HRP conjugate compete for the anti-OPALIN antibody binding site. Since the number of sites is limited, as more sites are occupied by OPALIN from the sample, fewer sites are left to bind OPALIN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The OPALIN concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This OPALIN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat OPALIN. This ELISA kit for research use only, not for therapeutic or test applications!</p>
Product Categories/Family for OPALIN elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	23943844
NCBI GeneID	226115
NCBI Accession #	NP_705740.1
NCBI GenBank Nucleotide #	NM_153520.1
Molecular Weight	15,833 Da
NCBI Official Full Name	opalin
NCBI Official Synonym Full Names	oligodendrocytic myelin paranodal and inner loop protein
NCBI Official Symbol	Opalin
NCBI Official Synonym Symbols	Tmp10; Tmem10
NCBI Protein Information	opalin; transmembrane protein 10; transmembrane protein TMP10
UniProt Protein Name	Opalin
UniProt Gene Name	Opalin
UniProt Synonym Gene Names	Tmem10
UniProt Entry Name	OPALI_MOUSE

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/opalin-opalin/246655>