

Rabbit Rhodopsin (RHO) ELISA Kit | RHO elisa kit

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CATALOG #
AAA245577

REACTIVITY
Rabbit

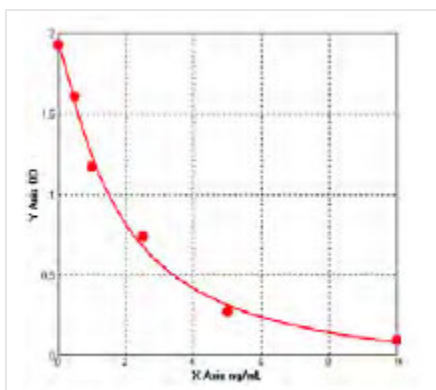
PRODUCT SYNONYMS

Rhodopsin (RHO); Rabbit Rhodopsin (RHO) ELISA Kit; RHO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RHO elisa kit

Intended Uses: This RGS9BP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat RGS9BP. This ELISA kit for research use only!

Principle of the Assay: RGS9BP ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-RGS9BP antibody and an RGS9BP-HRP conjugate. The assay sample and buffer are incubated together with RGS9BP-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 RGS9BP concentration since RGS9BP from samples and RGS9BP-HRP conjugate compete for the anti-RGS9BP antibody binding site. Since the number of sites is limited, as more sites are occupied by RGS9BP from the sample, fewer sites are left to bind RGS9BP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The RGS9BP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506527
NCBI GeneID	6010
NCBI Accession #	NP_000530.1
NCBI GenBank Nucleotide #	NM_000539.3
Molecular Weight	38,893 Da
NCBI Official Full Name	rhodopsin
NCBI Official Synonym Full Names	rhodopsin
NCBI Official Symbol	RHO
NCBI Official Synonym Symbols	RP4; OPN2; CSNBAD1
NCBI Protein Information	rhodopsin; opsin-2; opsin 2, rod pigment
UniProt Protein Name	Rhodopsin
UniProt Gene Name	RHO
UniProt Synonym Gene Names	OPN2
UniProt Entry Name	OPSD_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.