

Human Rhodopsin (RHO) ELISA Kit | RHO elisa kit

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CATALOG #
AAA11227

REACTIVITY
Human

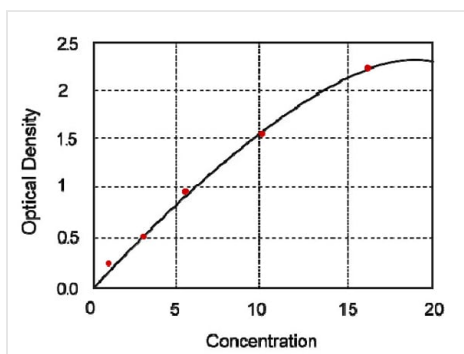
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	348
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids
Detection Range	7-1500ng/L
Sensitivity	3.24ng/L
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RHO elisa kit	Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Human RHO antibody. RHO present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Human RHO Antibody is added and binds to RHO in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated RHO antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Human RHO. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm. Intended Uses: This sandwich kit is for the accurate quantitative detection of Human Rhodopsin (also known as RHO) in serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506527
NCBI GeneID	6010
NCBI Accession #	NP_000530.1
NCBI GenBank Nucleotide #	NM_000539.3
UniProt Accession #	P08100; Q16414; Q2M249
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
UniProt Protein Name	Rhodopsin
UniProt Gene Name	RHO
UniProt Synonym Gene Names	OPN2

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/human-elisa-kits/rhodopsin-rho/11227>