

Human Retinoid isomerohydrolase ELISA Kit | RPE65 elisa kit

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CATALOG #
AAA310234

REACTIVITY
Human

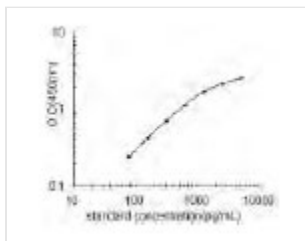
PRODUCT SYNONYMS

Retinoid isomerohydrolase; Human Retinoid isomerohydrolase ELISA Kit; All-trans-retinyl-palmitate hydrolase; Retinal pigment epithelium-specific 65 kDa protein; Retinol isomerase; RPE65; 3.1.1.64; RPE65 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural human RPE65. No significant cross-reactivity or interference was observed.
Samples	Serum, plasma, tissue homogenates and cell culture supernates and other biological fluids
Detection Range	78.0 pg/mL -5000 pg/mL
Sensitivity	<32 pg/mL
Preparation and Storage	Store at 4 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RPE65 elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human rpe65 concentrations in serum, plasma, tissue homogenates and cell culture supernates and other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to RPE65. Standards or samples are then added to the appropriate microtiter plate wells with a biotin- conjugated polyclonal antibody preparation specific for RPE65 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain RPE65, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of RPE65 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

[4506591](#)

NCBI GeneID	6121
NCBI Accession #	NP_000320.1
NCBI GenBank Nucleotide #	NM_000329.2
UniProt Accession #	Q16518 ; Q5T9U3 ; A8K1L0
Molecular Weight	60,948 Da
NCBI Official Full Name	retinoid isomerohydrolase
NCBI Official Synonym Full Names	RPE65, retinoid isomerohydrolase
NCBI Official Symbol	RPE65
NCBI Official Synonym Symbols	BCO3; LCA2; RP20; rd12; mRPE65; sRPE65
NCBI Protein Information	retinoid isomerohydrolase
UniProt Protein Name	Retinoid isomerohydrolase
UniProt Gene Name	RPE65

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/rpe65-human-elisa-kits/retinoid-isomerohydrolase/310234>