

Human Retinoschisin (RS1) ELISA Kit | RS1 elisa kit

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CATALOG #
AAA330985

REACTIVITY
Human

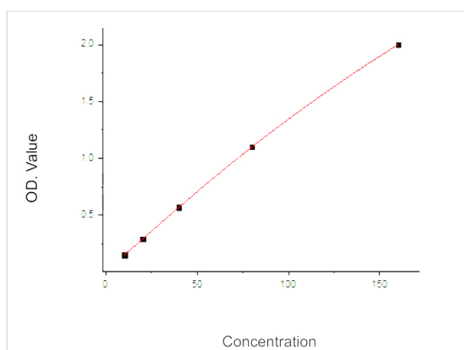
PRODUCT SYNONYMS

Retinoschisin (RS1); Human Retinoschisin (RS1) ELISA Kit; RS1; RP1-245G19.1; RS; XLRS1; X-linked juvenile retinoschisis protein; retinoschisis (X-linked; juvenile) 1; RS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Retinoschisin (RS1) ELISA Kit has high sensitivity and excellent specificity for detection of Human RS1. No significant cross-reactivity or interference between Human RS1 and analogues was observed.
Sequence Length	224
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	10 pg/ml - 160 pg/ml
Sensitivity	< 1pg/ml
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RS1 elisa kit	Background: RS1 is a secreted cell adhesion protein that is critical for maintaining structural lamination and synaptic integrity of the neural retina. RS1 loss-of-function mutations cause XLRS disease in young boys and men, with splitting ("schisis") of retinal layers and synaptic dysfunction that cause progressive vision loss with age. Principle of the Assay: Human Retinoschisin (RS1) ELISA Kit employs a two-site sandwich ELISA to quantitate RS1 in samples. An antibody specific for RS1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RS1 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human RS1 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of RS1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10835083
NCBI GeneID	6247
NCBI Accession #	NP_000321.1
NCBI GenBank Nucleotide #	NP_000321.1
UniProt Accession #	O15537
NCBI Official Full Name	retinoschisin
NCBI Official Synonym Full Names	retinoschisin 1
NCBI Official Symbol	RS1
NCBI Official Synonym Symbols	RS; XLRS1
NCBI Protein Information	retinoschisin
UniProt Protein Name	Retinoschisin
UniProt Gene Name	RS1
UniProt Synonym Gene Names	XLRS1

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.