

Human Reelin (RELN) ELISA Kit | RELN elisa kit

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CATALOG #
AAA331006

REACTIVITY
Human

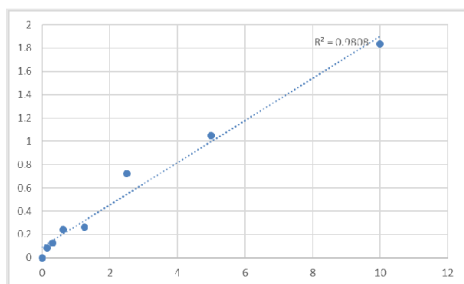
PRODUCT SYNONYMS

Reelin (RELN); Human Reelin (RELN) ELISA Kit; RELN; PRO1598; RL; OTTHUMP00000211830; RELN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Reelin (RELN) ELISA Kit has high sensitivity and excellent specificity for detection of Human RELN. No significant cross-reactivity or interference between Human RELN and analogues was observed.
Sequence Length	3460
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Reelin (RELN) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for RELN elisa kit	Description: This Human Reelin (RELN) ELISA Kit employs a two-site sandwich ELISA to quantitate RELN in samples. An antibody specific for RELN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RELN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RELN is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of RELN bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Reelin is a protein that helps regulate processes of neuronal migration and positioning in the developing brain. Besides this important role in early development, reelin continues to work in the adult brain. It modulates the synaptic plasticity by enhancing the induction and maintenance of long-term potentiation. It also stimulates dendrite and dendritic spine development and regulates the continuing migration of neuroblasts generated in adult neurogenesis sites like subventricular and subgranular zones. It is found not only in the brain, but also in the spinal cord, blood, and other body organs and tissues. Reelin has been suggested to be implicated in pathogenesis of several brain diseases.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27436938
NCBI GeneID	5649
NCBI Accession #	NP_005036.2
NCBI GenBank Nucleotide #	NP_005036.2
UniProt Accession #	P78509
NCBI Official Full Name	reelin isoform a
NCBI Official Synonym Full Names	reelin
NCBI Official Symbol	RELN
NCBI Official Synonym Symbols	RL; ETL7; LIS2; PRO1598
NCBI Protein Information	reelin
UniProt Protein Name	Reelin
UniProt Gene Name	RELN

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.