

Human Inositol 1, 4, 5-trisphosphate receptor type 1, ITPR1 ELISA Kit | ITPR1 elisa kit

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CATALOG #
AAA123558

REACTIVITY
Human

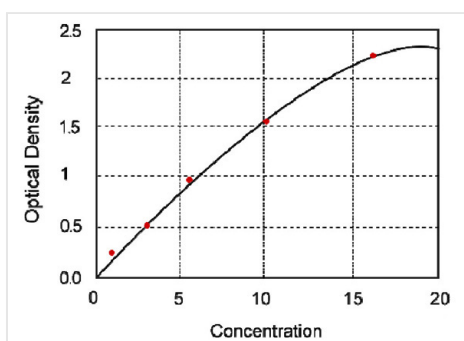
PRODUCT SYNONYMS

Inositol 1; 4; 5-trisphosphate receptor type 1; ITPR1; Human Inositol 1; ITPR1 ELISA Kit; ITPR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	2749
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids
Detection Range	3-900ng/L
Sensitivity	1.46ng/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 ITPR1 elisa kit	Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Human ITPR1 antibody. ITPR1 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Human ITPR1 Antibody is added and binds to ITPR1 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated ITPR1 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 ITPR1. 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 Inositol 1,4,5-trisphosphate receptor type 1 (also known as ITPR1) in serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	291327470
NCBI GeneID	16438
NCBI GenBank Nucleotide #	NP_034715.3
UniProt Accession #	P11881
NCBI Official Full Name	inositol 1,4,5-trisphosphate receptor type 1
NCBI Official Synonym Full Names	inositol 1,4,5-trisphosphate receptor 1
NCBI Official Symbol	Itpr1
NCBI Official Synonym Symbols	opt; Ip3r; P400; Pcp1; wblo; IP3R1; Pcp-1; D6Pas2; IP3R 1; InsP3R; Itpr-1; Gm10429; insP3R1
NCBI Protein Information	inositol 1,4,5-trisphosphate receptor type 1
UniProt Protein Name	Inositol 1,4,5-trisphosphate receptor type 1
UniProt Gene Name	Itpr1
UniProt Synonym Gene Names	Insp3r; Pcd6; Pcp1; IP3R 1; InsP3R1; Type 1 InsP3 receptor
UniProt Entry Name	ITPR1_MOUSE

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.