

Human 5-Hydroxytryptamine Receptor 4 (HTR4) ELISA Kit | HTR4 elisa kit

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CATALOG #
AAA67847

REACTIVITY
Human

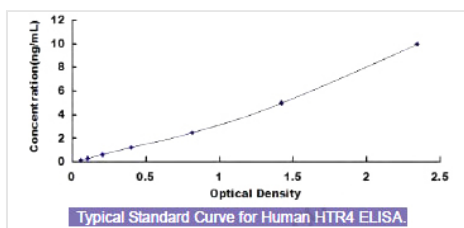
PRODUCT SYNONYMS

5-Hydroxytryptamine Receptor 4 (HTR4); Human 5-Hydroxytryptamine Receptor 4 (HTR4) ELISA Kit; 5-HT4; 5-HT4R; Serotonin Receptor 4; 5-HT4 Receptor; HTR4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HTR4. No significant cross-reactivity or interference between HTR4 and analogues was observed.
Sequence Length	411
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.063ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HTR4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HTR4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HTR4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HTR4 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to HTR4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to HTR4. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain HTR4, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of HTR4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11321563
NCBI GeneID	3360
NCBI Accession #	NP_000861.1
NCBI GenBank Nucleotide #	NM_000870.6
UniProt Accession #	Q13639; Q546Q1; Q684M0; Q712M9; Q96KH9; Q96KI0; Q9H199; Q9NY73; Q9UBM6; Q9UBT4; Q9UE22; C4WYH4
Molecular Weight	46,907 Da
NCBI Official Full Name	5-hydroxytryptamine receptor 4 isoform b
NCBI Official Synonym Full Names	5-hydroxytryptamine receptor 4
NCBI Official Symbol	HTR4
NCBI Official Synonym Symbols	5-HT4; 5-HT4R
NCBI Protein Information	5-hydroxytryptamine receptor 4
UniProt Protein Name	5-hydroxytryptamine receptor 4
UniProt Gene Name	HTR4
UniProt Synonym Gene Names	5-HT-4; 5-HT4

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/5-hydroxytryptamine-receptor-4-htr4/67847>