

Human 5-Hydroxytryptamine Receptor 7 (HTR7) RTU ELISA Kit | HTR7 rtu elisa kit

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CATALOG #
AAA219659

REACTIVITY
Human

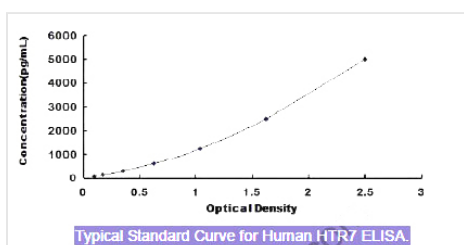
PRODUCT SYNONYMS

5-Hydroxytryptamine Receptor 7 (HTR7); Human 5-Hydroxytryptamine Receptor 7 (HTR7) ELISA Kit; 5-HT-X; Serotonin receptor 7; HTR7 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HTR7. No significant cross-reactivity or interference between HTR7 and analogues was observed.
Sequence Length	445
Samples	Human Serum, Plasma, Tissue Homogenates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	78.1-5000pg/mL
Sensitivity	34.2pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HTR7 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 HTR7 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Stable for 12 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HTR7 rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of HTR7 in human serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to HTR7. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to HTR7. 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 HTR7, 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 HTR7 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 #	4504547
NCBI GeneID	3363
NCBI Accession #	NP_000863.1
NCBI GenBank Nucleotide #	NM_000872.4
UniProt Accession #	P34969; P78336; P78372; P78516; Q5VX01; Q5VX02; Q5VX03; B5BUP6
Molecular Weight	49,488 Da
NCBI Official Full Name	5-hydroxytryptamine receptor 7 isoform a
NCBI Official Synonym Full Names	5-hydroxytryptamine receptor 7
NCBI Official Symbol	HTR7
NCBI Official Synonym Symbols	5-HT7
NCBI Protein Information	5-hydroxytryptamine receptor 7
UniProt Protein Name	5-hydroxytryptamine receptor 7
UniProt Gene Name	HTR7
UniProt Synonym Gene Names	5-HT-7; 5-HT7

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-rtu-elisa-kits/5-hydroxytryptamine-receptor-7-htr7/219659>