

Rat 5-Hydroxytryptamine Receptor 2C (HTR2C) ELISA Kit | HTR2C elisa kit

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CATALOG #
AAA63464

REACTIVITY
Rat

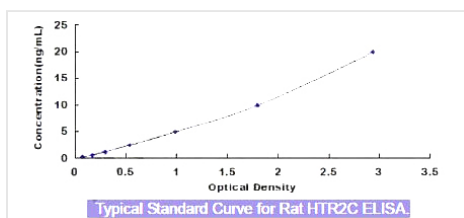
PRODUCT SYNONYMS

5-Hydroxytryptamine Receptor 2C (HTR2C); Rat 5-Hydroxytryptamine Receptor 2C (HTR2C) ELISA Kit; 5-HT2C; HTR1C; Serotonin Receptor 2C; 5-hydroxytryptamine receptor 1C; HTR2C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of HTR2C. No significant cross-reactivity or interference between HTR2C and analogues was observed.
Sequence Length	460
Samples	Rat tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	<0.083ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HTR2C 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 HTR2C 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 HTR2C elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of HTR2C in rat 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 HTR2C. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to HTR2C. 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 HTR2C, 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 HTR2C 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 #	17298688
NCBI GeneID	25187
NCBI Accession #	NP_036897.2
NCBI GenBank Nucleotide #	NM_012765.3
UniProt Accession #	P08909
Molecular Weight	51,917 Da
NCBI Official Full Name	5-hydroxytryptamine receptor 2C
NCBI Official Synonym Full Names	5-hydroxytryptamine receptor 2C
NCBI Official Symbol	Htr2c
NCBI Official Synonym Symbols	5-HT2C; 5HT-1C; 5-HTR2C
NCBI Protein Information	5-hydroxytryptamine receptor 2C
UniProt Protein Name	5-hydroxytryptamine receptor 2C
UniProt Gene Name	Htr2c
UniProt Synonym Gene Names	5ht1c; Htr1c; 5-HT-2C; 5-HT2C; 5-HTR2C; 5-HT-1C; 5-HT1C

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/rat-elisa-kits/5-hydroxytryptamine-receptor-2c-htr2c/63464>