

Rat 5-hydroxytryptamine receptor 2A (HTR2A) ELISA Kit | HTR2A elisa kit

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CATALOG #
AAA246588

REACTIVITY
Rat

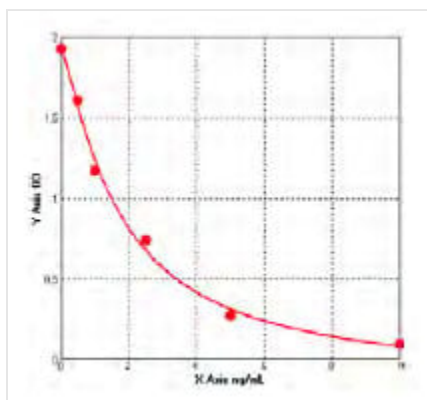
PRODUCT SYNONYMS

5-hydroxytryptamine receptor 2A (HTR2A); Rat 5-hydroxytryptamine receptor 2A (HTR2A) ELISA Kit; HTR2A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HTR2A elisa kit

Intended Uses: This HTR2A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat HTR2A. This ELISA kit for research use only!

Principle of the Assay: HTR2A ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-HTR2A antibody and an HTR2A-HRP conjugate. The assay sample and buffer are incubated together with HTR2A-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the HTR2A concentration since HTR2A from samples and HTR2A-HRP conjugate compete for the anti-HTR2A antibody binding site. Since the number of sites is limited, as more sites are occupied by HTR2A from the sample, fewer sites are left to bind HTR2A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HTR2A concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	20379138
NCBI GeneID	3356
Molecular Weight	43,940 Da
NCBI Official Full Name	5-hydroxytryptamine receptor 2A
NCBI Official Synonym Full Names	5-hydroxytryptamine (serotonin) receptor 2A, G protein-coupled
NCBI Official Symbol	HTR2A
NCBI Official Synonym Symbols	HTR2; 5-HT2A
NCBI Protein Information	5-hydroxytryptamine receptor 2A; 5-HT-2A; 5-HT2 receptor; serotonin 5-HT-2A receptor
UniProt Protein Name	5-hydroxytryptamine receptor 2A
UniProt Gene Name	HTR2A
UniProt Synonym Gene Names	HTR2; 5-HT-2; 5-HT-2A
UniProt Entry Name	5HT2A_HUMAN

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-2a-htr2a/246588>