

Rat 5-hydroxytryptamine receptor 4 ELISA Kit | HTR4 elisa kit

Rat 5-hydroxytryptamine receptor 4 (HTR4) ELISA Kit

CATALOG #
AAA55752

REACTIVITY
Rat

PRODUCT SYNONYMS

5-hydroxytryptamine receptor 4; Rat 5-hydroxytryptamine receptor 4 (HTR4) ELISA Kit; HTR4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat HTR4. No significant cross-reactivity or interference between Rat HTR4 and analogues was observed.
Sequence Length	406
Samples	serum, plasma, tissue homogenates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78.1 pg/mL - 5000 pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times 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 forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for HTR4 elisa kit

Intended Uses: For the quantitative detection of Rat 5-hydroxytryptamine receptor 4 (HTR4) concentration in serum, plasma, tissue homogenates and other biological fluids.

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate HTR4 in Rat serum, plasma, tissue homogenates. An antibody specific for HTR4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any HTR4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for HTR4 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of HTR4 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6981060
NCBI GeneID	25324
NCBI Accession #	NP_036985.1
NCBI GenBank Nucleotide #	NM_012853.1
UniProt Accession #	Q62758 ; O89034 ; Q62757 ; Q63006

Molecular Weight	42,254 Da
NCBI Official Full Name	5-hydroxytryptamine receptor 4
NCBI Official Synonym Full Names	5-hydroxytryptamine receptor 4
NCBI Official Symbol	Htr4
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://www.aaabiotech.com/htr4-rat-elisa-kits/5-hydroxytryptamine-receptor-4/55752>