

Chicken 5-Hydroxytryptamine Receptor 1B ELISA Kit | 5HTR1B elisa kit

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CATALOG #
AAA247550

REACTIVITY
Chicken

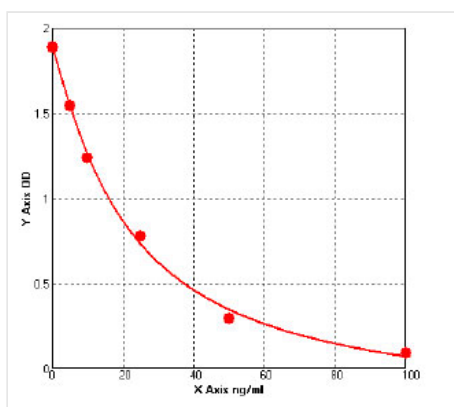
PRODUCT SYNONYMS

5-Hydroxytryptamine Receptor 1B; Chicken 5-Hydroxytryptamine Receptor 1B ELISA Kit; 5HTR1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of 5HTR1B. No significant cross-reactivity or interference between 5HTR1B and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between 5HTR1B and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	390
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 5HTR1B elisa kit	Principle of the Assay: 5HTR1B ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-5HTR1B antibody and an 5HTR1B-HRP conjugate. The assay sample and buffer are incubated together with 5HTR1B-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 5HTR1B concentration since 5HTR1B from samples and 5HTR1B-HRP conjugate compete for the anti-5HTR1B antibody binding site. Since the number of sites is limited, as more sites are occupied by 5HTR1B from the sample, fewer sites are left to bind 5HTR1B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The 5HTR1B concentration in each sample is interpolated from this standard curve. Intended Uses: This 5HTR1B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken 5HTR1B. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504533
NCBI GeneID	3351
NCBI Accession #	NP_000854.1
NCBI GenBank Nucleotide #	NM_000863.2
UniProt Accession #	P28222; Q4VAY7
Molecular Weight	43,568 Da
NCBI Official Full Name	5-hydroxytryptamine receptor 1B
NCBI Official Synonym Full Names	5-hydroxytryptamine receptor 1B
NCBI Official Symbol	HTR1B
NCBI Official Synonym Symbols	S12; 5-HT1B; HTR1D2; HTR1DB; 5-HT-1B; 5-HT1DB; 5-HT-1D-beta
NCBI Protein Information	5-hydroxytryptamine receptor 1B
UniProt Protein Name	5-hydroxytryptamine receptor 1B
UniProt Gene Name	HTR1B
UniProt Synonym Gene Names	HTR1DB; 5-HT-1B; 5-HT1B; 5-HT-1D-beta

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.