

Rat Orexin receptor type 1 (HCRT1) ELISA Kit | HCRT1 elisa kit

Rat Orexin receptor type 1 (HCRT1) ELISA Kit

CATALOG #
AAA246945

REACTIVITY
Rat

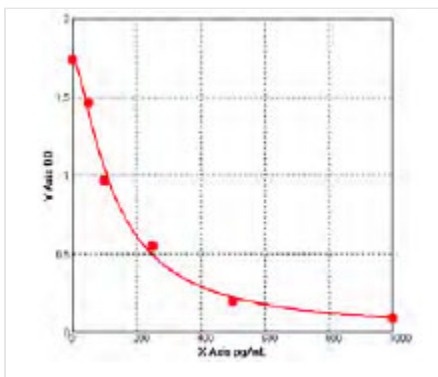
PRODUCT SYNONYMS

Orexin receptor type 1 (HCRT1); Rat Orexin receptor type 1 (HCRT1) ELISA Kit; HCRT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HCRT1 elisa kit

Intended Uses: This HCRT1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat HCRT1. This ELISA kit for research use only!

Principle of the Assay: HCRT1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-HCRT1 antibody and an HCRT1-HRP conjugate. The assay sample and buffer are incubated together with HCRT1-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 HCRT1 concentration since HCRT1 from samples and HCRT1-HRP conjugate compete for the anti-HCRT1 antibody binding site. Since the number of sites is limited, as more sites are occupied by HCRT1 from the sample, fewer sites are left to bind HCRT1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HCRT1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	222080095
NCBI GeneID	3061
NCBI Accession #	NP_001516.2
NCBI GenBank Nucleotide #	NM_001525.2
Molecular Weight	47,536 Da
NCBI Official Full Name	orexin receptor type 1
NCBI Official Synonym Full Names	hypocretin (orexin) receptor 1
NCBI Official Symbol	HCRTR1
NCBI Official Synonym Symbols	OX1R
NCBI Protein Information	orexin receptor type 1; ox1-R; ox-1-R; orexin receptor 1; orexin receptor-1; hypocretin receptor 1; hypocretin receptor-1; hypocretin receptor type 1
UniProt Protein Name	Orexin receptor type 1
UniProt Gene Name	HCRTR1
UniProt Synonym Gene Names	Ox-1-R; Ox1-R; Ox1R
UniProt Entry Name	OX1R_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.