

Human Orexin receptor type 1 ELISA Kit | HCRT1R1 elisa kit

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CATALOG #
AAA99580

REACTIVITY
Human

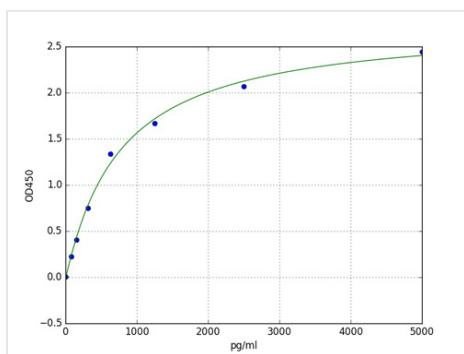
PRODUCT SYNONYMS

Orexin receptor type 1; Human Orexin receptor type 1 ELISA Kit; HCRT1R1/OX1R (Orexin receptor type 1)/ox-1-R/Ox1-R/hypocretin (orexin) receptor 1/hypocretin receptor 1/Hypocretin receptor type 1/hypocretin receptor-1/orexin receptor 1/orexin receptor-1/; HCRT1R1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	425
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Typical Data & Standard Curve

Results of a typical standard run of a Human HCRT1R1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment (N/A-not applicable)

X	pg/ml	0	78	156	312.5	625	1250	2500	5000
Y	OD450	0.031	0.407	0.702	0.989	1.454	1.917	2.258	2.352

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HCRT1R1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human HCRT1R1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human HCRT1R1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human HCRT1R1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human HCRT1R1 can be calculated.

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 receptor 1
NCBI Official Symbol	HCRT1
NCBI Official Synonym Symbols	OX1R
NCBI Protein Information	orexin receptor type 1
UniProt Protein Name	Orexin receptor type 1
UniProt Gene Name	HCRT1
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.

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Online datasheet: <https://www.aaabiotech.com/hcrt1-human-elisa-kits/orexin-receptor-type-1/99580>