

Human Orexin (OX) ELISA Kit | OX elisa kit

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CATALOG #
AAA181905

REACTIVITY
Human

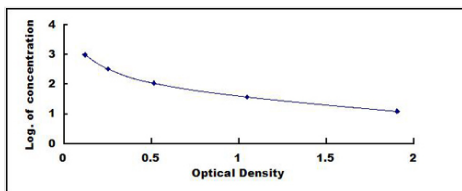
PRODUCT SYNONYMS

Orexin (OX); Human Orexin (OX) ELISA Kit; HCRT; PPOX; Orexin A; Hypocretin 1; Orexin B; Hypocretin 2; Preproorexin; Hypocretin Neuropeptide Precursor; OX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Orexin (OX). No significant cross-reactivity or interference between Orexin (OX) and analogues was observed.
Sequence Length	131
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	12.35-1000pg/mL
Sensitivity	< 5.34pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Orexin (OX) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Orexin (OX) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OX elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Orexin (OX) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Orexin (OX) and unlabeled Orexin (OX) (Standards or samples) with the pre-coated antibody specific to Orexin (OX). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Orexin (OX) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Orexin (OX) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557635
NCBI GeneID	3060
NCBI Accession #	NP_001515.1
NCBI GenBank Nucleotide #	NM_001524.1
UniProt Accession #	O43612
Molecular Weight	13,363 Da
NCBI Official Full Name	orexin
NCBI Official Synonym Full Names	hypocretin neuropeptide precursor
NCBI Official Symbol	HCRT
NCBI Official Synonym Symbols	OX; PPOX; NRCLP1
NCBI Protein Information	orexin
UniProt Protein Name	Orexin
UniProt Gene Name	HCRT
UniProt Synonym Gene Names	OX; PPORX; PPOX; Hcrt; Hcrt1; Hcrt2

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/human-elisa-kits/orexin-ox/181905>