

Rat Orexin (OX) ELISA Kit | OX elisa kit

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CATALOG #
AAA68439

REACTIVITY
Rat

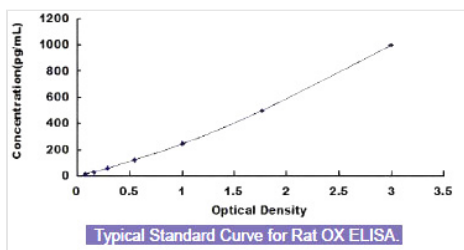
PRODUCT SYNONYMS

Orexin (OX); Rat Orexin (OX) ELISA Kit; HCRT; PPOX; PPORX; Hypocretin; OX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of OX. No significant cross-reactivity or interference between OX and analogues was observed.
Sequence Length	130
Samples	Serum, plasma, tissue homogenates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	15.6-1000pg/mL
Sensitivity	<6.7pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level OX were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level OX were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OX elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of OX in rat serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to OX. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to OX. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain OX, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of OX in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6981016
NCBI GeneID	25723
NCBI Accession #	NP_037311.1
NCBI GenBank Nucleotide #	NM_013179.2
UniProt Accession #	O55232
Molecular Weight	13,645 Da
NCBI Official Full Name	orexin
NCBI Official Synonym Full Names	hypocretin neuropeptide precursor
NCBI Official Symbol	Hcrt
NCBI Official Synonym Symbols	orexin-A
NCBI Protein Information	orexin
UniProt Protein Name	Orexin
UniProt Gene Name	Hcrt
UniProt Synonym Gene Names	Ox; 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/rat-elisa-kits/orexin-ox/68439>