

Rat Orexin A ELISA Kit | OX-A elisa kit

Rat Orexin A ELISA Kit

CATALOG #
AAA83008

REACTIVITY
Rat

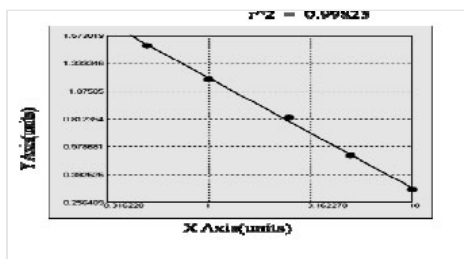
PRODUCT SYNONYMS

Orexin A; Rat Orexin A ELISA Kit; OX-A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/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 OX-A elisa kit

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

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

Product Categories/Family for OX-A elisa kit

[Neurobiology](#)

NCBI AND UNIPROT INFORMATION

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