Bovine Orexins ELISA Kit | Orexins elisa kit

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CATALOG #	REACTIVITY
AAA89235	**Bovine**

PRODUCT SYNONYMS

Orexins; Bovine Orexins ELISA Kit; Orexins elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This ORX ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine ORX. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Orexins elisa kit	**Principle of the assay:** ORX ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for ORX. Standards or samples are then added to the microtiter plate wells and ORX if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of ORX present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for ORX are added to each well to "sandwich" the ORX immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain ORX and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ORX concentration in each sample is interpolated from this standard curve.
Product Categories/Family for Orexins 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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