

Bovine Orexin A (OXA) ELISA Kit | OXA elisa kit

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CATALOG #
AAA68436

REACTIVITY
Bovine

PRODUCT SYNONYMS

Orexin A (OXA); Bovine Orexin A (OXA) ELISA Kit; PPOX; Hypocretin-1; Hcrt1; OXA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of OXA. No significant cross-reactivity or interference between OXA and analogues was observed.
Sequence Length	33
Samples	Serum, plasma, tissue homogenates and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	31.2-2000pg/mL
Sensitivity	<12.2pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level OXA 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 OXA 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 OXA elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of OXA in bovine serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to OXA has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled OXA and unlabeled OXA (Standards or samples) with the pre-coated antibody specific to OXA. 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 OXA in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of OXA in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6225799
NCBI GeneID	281222
UniProt Accession #	P56717
Molecular Weight	3,583 Da
NCBI Official Full Name	Orexin-A
NCBI Official Synonym Full Names	hypocretin neuropeptide precursor
NCBI Official Symbol	HCRT
NCBI Protein Information	orexin-A
UniProt Protein Name	Orexin-A
UniProt Gene Name	HCRT
UniProt Synonym Gene Names	OX; PPOX; Hcrt1

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/bovine-ovine-elisa-kits/orexin-a-oxa/68436>