

Canine Orexin A ELISA Kit | Orexin elisa kit

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CATALOG #
AAA92291

REACTIVITY
Canine

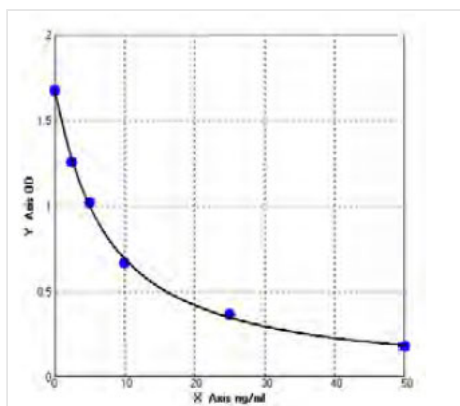
PRODUCT SYNONYMS

Orexin A; Canine Orexin A ELISA Kit; Orexin elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between OXA and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Orexin elisa kit	Principle of the Assay: OXA ELISA kit applies the competitive enzyme immunoassay technique utilizing an 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. Intended Uses: This OXA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine OXA. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for Orexin 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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Online datasheet: <https://stage.aaabiotech.com/canine-elisa-kits/orexin-a/92291>