

Rat OXB ELISA Kit | OXB elisa kit

Rat OXB (Orexin B) ELISA Kit

CATALOG #
AAA165720

REACTIVITY
Rat

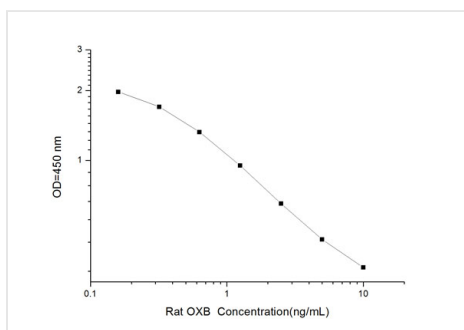
PRODUCT SYNONYMS

OXB; Rat OXB (Orexin B) ELISA Kit; OXB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat OXB in samples. No significant cross-reactivity or interference between Rat OXB and analogues was observed.
Sequence Length	444
Assay Type	Quantitative Competitive
Samples	Serum, plasma and other biological fluids
Detection Range	0.16-10ng/mL
Sensitivity	0.1ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat OXB were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat OXB were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OXB elisa kit	Principle of the Assay: This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with Rat OXB. During the reaction, Rat OXB in the sample or standard competes with a fixed amount of Rat OXB on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Rat OXB. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) are added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color change is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The concentration of Rat OXB in the samples is then determined by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat OXB concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194018676
NCBI GeneID	397428
NCBI Accession #	NP_001123423.1
NCBI GenBank Nucleotide #	NM_001129951.1
UniProt Accession #	O62809
Molecular Weight	8,695 Da
NCBI Official Full Name	orexin receptor type 2
NCBI Official Symbol	HCRTR2
NCBI Protein Information	orexin receptor type 2; hypocretin receptor type 2; ox-2-R; ox2-R; ox2R
UniProt Protein Name	Orexin receptor type 2
UniProt Gene Name	HCRTR2
UniProt Synonym Gene Names	Ox-2-R; Ox2-R; Ox2R
UniProt Entry Name	OX2R_PIG

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://www.aaabiotech.com/rat-elisa-kits/oxb/165720>