

Rat Oxytocin receptor ELISA Kit | Oxtr elisa kit

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CATALOG #
AAA56670

REACTIVITY
Rat

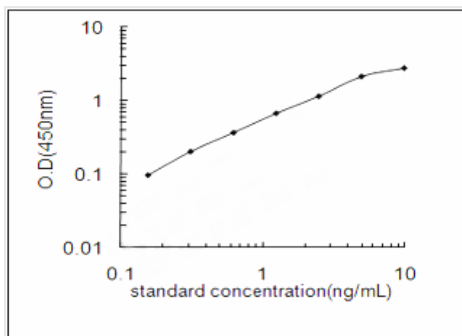
PRODUCT SYNONYMS

Oxytocin receptor; Rat Oxytocin receptor ELISA Kit; OT-R; Oxtr; Otr; Oxtr elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural ratOT-R. No significant cross-reactivity or interference was observed.
Sequence Length	388
Assay Type	Sandwich
Detection Range	0.156-10 ng/mL
Sensitivity	0.084 ng/mL
Intra-Assay CV	<=4.6%
Inter-Assay CV	<=6.5%
Recovery	97%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Oxtrelisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of rat OT-R concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to OT-R. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for OT-R and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain OT-R, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of OT-R in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9845279
NCBI GeneID	25342
NCBI Accession #	NP_037003.2
NCBI GenBank Nucleotide #	NM_012871.2
UniProt Accession #	P70536; Q53ZC5
Molecular Weight	42,869 Da
NCBI Official Full Name	oxytocin receptor
NCBI Official Synonym Full Names	oxytocin receptor
NCBI Official Symbol	Oxtr
NCBI Official Synonym Symbols	OTR; OTR1
NCBI Protein Information	oxytocin receptor
UniProt Protein Name	Oxytocin receptor
UniProt Gene Name	Oxtr
UniProt Synonym Gene Names	Otr; OT-R
UniProt Entry Name	OXYR_RAT

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/oxtr-rat-elisa-kits/oxytocin-receptor/56670>