Bovine Oxytocin-neurophysin 1 ELISA Kit | ON-1 elisa kit

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CATALOG #	REACTIVITY
AAA246658	**Bovine**

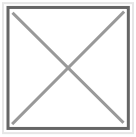
PRODUCT SYNONYMS

Oxytocin-neurophysin 1; Bovine Oxytocin-neurophysin 1 ELISA Kit; ON-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of OXT. No significant cross-reactivity or interference between OXT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between OXT 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	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ON-1 elisa kit	Principle of the Assay: OXT ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-OXT antibody and an OXT-HRP conjugate. The assay sample and buffer are incubated together with OXT-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 OXT concentration since OXT from samples and OXT-HRP conjugate compete for the anti-OXT antibody binding site. Since the number of sites is limited, as more sites are occupied by OXT from the sample, fewer sites are left to bind OXT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The OXT concentration in each sample is interpolated from this standard curve. Intended Uses: This OXT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine OXT. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ON-1 elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505537
NCBI GeneID	5020
NCBI Accession #	NP_000906.1
NCBI GenBank Nucleotide #	NM_000915.3
Molecular Weight	12,722 Da
NCBI Official Full Name	oxytocin-neurophysin 1 preproprotein
NCBI Official Synonym Full Names	oxytocin/neurophysin I prepropeptide
NCBI Official Symbol	OXT
NCBI Official Synonym Symbols	OT; OT-NPI; OXT-NPI
NCBI Protein Information	oxytocin-neurophysin 1; neurophysin I; oxytocin, prepropeptide; oxytocin, prepro- (neurophysin I); oxytocin-neurophysin I, preproprotein
UniProt Protein Name	Oxytocin-neurophysin 1
UniProt Gene Name	**OXT**
UniProt Synonym Gene Names	OT; OT-NPI
UniProt Entry Name	NEU1_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/on-1-bovine-ovine-elisa-kits/oxytocin-neurophysin-1/246658