

General Oxytocin (OT) ELISA Kit | OT elisa kit

General Oxytocin (OT) High Sensitive ELISA Kit

CATALOG # AAA188534	REACTIVITY General	APPLICATIONS ELISA
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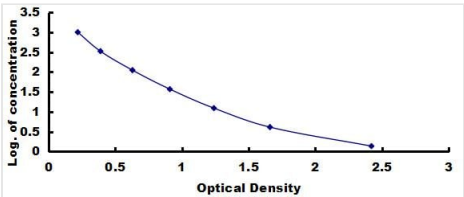
PRODUCT SYNONYMS

Oxytocin (OT); General Oxytocin (OT) High Sensitive ELISA Kit; Oxytocin; Pitocin; Syntocinon; OT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of High Sensitive Oxytocin (OT). No significant cross-reactivity or interference between High Sensitive Oxytocin (OT) and analogues was observed.
Sequence Length	126
Assay Type	Competitive Inhibition
Samples	Serum, plasma other biological fluids
Detection Range	1.37-1,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.53pg/mL
Applicable Applications for OT elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level High Sensitive Oxytocin (OT) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level High Sensitive Oxytocin (OT) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to High Sensitive Oxytocin (OT) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled High Sensitive Oxytocin (OT) and unlabeled High Sensitive Oxytocin (OT) (Standards or samples) with the pre-coated antibody specific to High Sensitive Oxytocin (OT). 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 High Sensitive Oxytocin (OT) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of High Sensitive Oxytocin (OT) in the sample.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	300675592
NCBI Official Full Name	oxytocin

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/general-elisa-kits/oxytocin-ot/188534>