

General Oxytocin ELISA Kit | OT elisa kit

Oxytocin ELISA Kit

CATALOG #
AAA97866

REACTIVITY
General

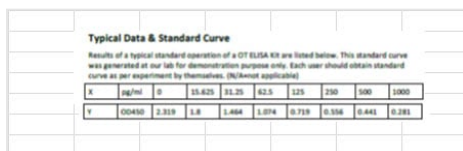
PRODUCT SYNONYMS

Oxytocin; Oxytocin ELISA Kit; OT (Oxytocin); OT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of OT. No significant crossreactivity or interference between OT and analogues is observed.
Sequence Length	126
Assay Type	Competitive ELISA, Coated with Antigen
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level OT were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level OT were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OT elisa kit

Principle of the Assay: This kit was based on Competitive-ELISA detection method. The microtiter plate provided in this kit has been pre-coated with OT. During the reaction, OT in the sample or standard competes with a fixed amount of OT on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to OT. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then TMB substrate solution is added to each well. 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. The concentration of OT in the samples is then determined by comparing the O D of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	300675592
Molecular Weight	13,427 Da
NCBI Official Full Name	oxytocin
UniProt Protein Name	Oxytocin
UniProt Gene Name	Oxt
UniProt Entry Name	E2GI53_MESAU

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/ot-general-elisa-kits/oxytocin/97866>