

Rat Oxytocin ELISA Kit | OT elisa kit

Rat Oxytocin ELISA Kit

CATALOG #
AAA17180

REACTIVITY
Rat

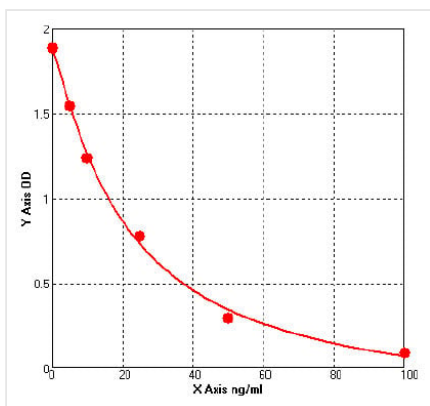
PRODUCT SYNONYMS

Oxytocin; Rat Oxytocin ELISA Kit; OT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of OT. No significant cross-reactivity or interference between OT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between OT and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ot-rat-elisa-kits/oxytocin/17180>