

Chicken Oxytocin ELISA Kit | OT elisa kit

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CATALOG #
AAA94614

REACTIVITY
Chicken

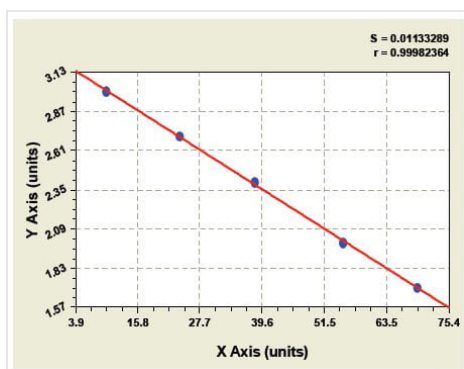
PRODUCT SYNONYMS

Oxytocin; Chicken Oxytocin ELISA Kit; OT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This OT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken OT. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OT elisa kit

Principle of the assay: OT ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

Product Categories/Family for OT elisa kit

Signal Transduction

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-chicken-elisa-kits/oxytocin/94614>