

## Oxytocin ELISA Kit

Horse Oxytocin ELISA Kit

CATALOG #  
**AAA87995**

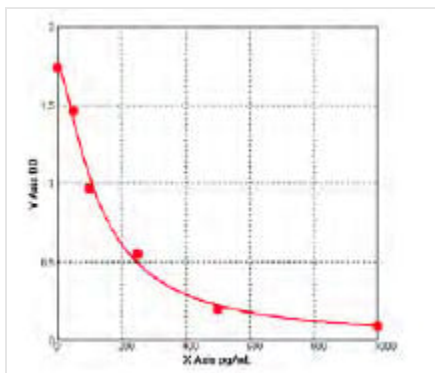
### PRODUCT SYNONYMS

Oxytocin; Horse Oxytocin ELISA Kit; Oxytocin elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| Sequence Length         | 126                                                                                                                                                                                                                                                                                                                                                                                |
| 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

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Related Product Information for Oxytocin elisa kit | <p>Intended Uses: This OT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Horse OT. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>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.</p> |
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NCBI AND UNIPROT INFORMATION

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|-------------------------|-----------|
| 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/elisa-kits/oxytocin/87995>