



BMA BIOMEDICALS



Peninsula Laboratories

T-4082

Rabbit anti Oxytocin

Oxytocin is a neuropeptide hormone produced by the hypothalamus and secreted by the pituitary gland. It is derived by enzymatic cleavage from the peptide precursor encoded by the human OXT gene. Oxytocin is released into the bloodstream as a hormone in response to stretching of the cervix and uterus during labor and it plays an important role in the childbirth.

This antibody was generated by immunization of rabbits with Oxytocin coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

- Lot number:** A03185
- Host species:** Rabbit IgG
- Quantity:** 50ml diluted antiserum, lyophilized
- Format:** This polyclonal antibody is supplied as a lyophilized powder. The powder should be rehydrated with 50ml RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN₃, and 0.1% Triton X-100. Store at 4°C. This should ensure antibody stability for approximately one month.
- Stability:** Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
- Applications:** This antibody has been tested and validated in ELISA against Oxytocin. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.
Please see www.bma.ch for protocols and general information.
- Immunogen:** Synthetic peptide H-Cys-Tyr-Ile-Gln-Asn-Cys-Pro-Leu-Gly-NH₂, (Disulfide bond) coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%
Oxytocin	100
[Lys ⁸] Vasopressin	0
[Arg ⁸] -Vasopressin	0
Human Growth Hormone	0
LHRH	0
CRF (human, rat)	0
Met-Enkephalin	0
VIP (human, bovine, porcine, rat)	0
PACAP-27 (human, ovine, rat, mouse, porcine)	0

Related Products:

- S-1355: ELISA, extraction-free for serum and plasma samples
- S-1176: ELISA, high sensitivity for extracted samples
- T-4084: anti Oxytocin, neat antiserum, host: rabbit
- T-4083: anti Oxytocin, purified IgG
- T-5021: anti Oxytocin, neat antiserum, host: guinea pig

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

T-4082

diluted antiserum

9.10.2020