



BMA BIOMEDICALS



Peninsula Laboratories

T-4828

**Rabbit anti [Deamino-Cys1, D-Arg8]-Vasopressin
(Desmopressin)**

Desmopressin is a synthetic octapeptide, analogue of human hormone arginine vasopressin, with antidiuretic and coagulant activities. Desmopressin binds to V2 receptors in renal collecting ducts which leads to exocytosis of von Willebrand factor (VWF) and tissue plasminogen activator (t-PA) from Weibel-Palade bodies, thereby increasing water resorption. This agent also increases nitric oxide (NO) production via activation of endothelial NO synthase, thereby induces afferent arteriolar vasodilation. Furthermore, desmopressin stimulates the release of factor VIII from endothelial cells mediated through V1a receptor, thereby promotes blood coagulation.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A14231
Host species:	Rabbit IgG
Quantity:	50ml diluted antiserum, lyophilized
Format:	Each vial contains enough antiserum for 500 RIA tubes. 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% NaN ₃ , 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 Desmopressin. 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 3-Mercaptopropionyl-Tyr-Phe-Gln-Asn-Cys-Pro-D-Arg-Gly-NH ₂ , (Disulfide bond) coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%
[Deamino-Cy ^{s1} , D-Arg ⁸]-Vasopressin (Desmopressin; DDAVP)	100
[Arg ⁸]-Vasopressin	7
[D-Arg ⁸]-Vasopressin	6
Oxytocin	5
[d-(CH ₂) ₅ , D-Ile ² , Ile ⁴ , Arg ⁸]-Vasopressin	1
ACTH 1-39 (human)	0
LH-RH	0

Related Products: T-4829: Rabbit anti Desmopressin, purified IgG
S-1365: ELISA, extraction-free for rat serum and plasma samples
S-1288: ELISA, high sensitivity for extracted samples
S-1364: ELISA, extraction-free for human serum and plasma samples

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.

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diluted antiserum

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