



BMA BIOMEDICALS



Peninsula Laboratories

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**T-4829**

**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.

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**TECHNICAL AND ANALYTICAL CHARACTERISTICS**

<b>Lot number:</b>	022506
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	400µg
<b>Format:</b>	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
<b>Stability:</b>	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.
<b>Applications:</b>	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 <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	Synthetic peptide 3-Mercaptopropionyl-Tyr-Phe-Gln-Asn-Cys-Pro-D-Arg-Gly-NH <sub>2</sub> , (Disulfide bond) coupled to a carrier protein.

## Cross-Reactivity:

PEPTIDE:	%:
[Deamino-Cys <sup>1</sup> , D-Arg <sup>8</sup> ]-Vasopressin (Desmopressin; DDAVP)	100
[D-Arg <sup>8</sup> ]-Vasopressin	7
Oxytocin	7
[Arg <sup>8</sup> ]-Vasopressin	4
[d-(CH <sub>2</sub> ) <sub>5</sub> , D-Ile <sup>2</sup> , Ile <sup>4</sup> , Arg <sup>8</sup> ]-Vasopressin	0
ACTH 1-39 (human)	0
LH-RH	0

Related Products: T-4828: Rabbit anti Desmopressin, diluted antiserum  
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

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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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rabbit IgG

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