



BMA BIOMEDICALS



Peninsula Laboratories

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

Catalog Number:	T-4829 (Lot 022506)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Human
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
Stability and Storage:	Reconstitute by adding 0.2ml of distilled water. Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Immunogen:	Synthetic peptide 3-Mercaptopropionyl-Tyr-Phe-Gln-Asn-Cys-Pro-D-Arg-Gly-NH ₂ , (Disulfide bond) coupled to a carrier protein.
Protein database:	n/a

Cross-Reactivity:

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

Applications:

Tested in ELISA against Desmopressin and in immunohistochemistry (IHC). Other applications like FACS and Western blot may work as well.

Approximate working dilution for IHC:

Paraffin sections: (1:800); pretreatment with Proteinase K for antigen retrieval is recommended.

Optimal dilutions should be determined by the end user.

Please see **www.bma.ch** for protocols and general information

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

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.