



BMA BIOMEDICALS



Peninsula Laboratories

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## S-1520

### Vasoconstriction-Inhibiting Factor (VIF) ELISA

Vasoconstriction-Inhibiting Factor (VIF) is a 35-amino acid vasoregulatory peptide that modulates the vasoconstrictive effects of angiotensin II by acting on the angiotensin II type 2 receptor. It is involved in the renin-angiotensin system, where the angiotensin peptides play a central role in blood pressure regulation. Recent studies have reported that the increase in VIF may serve as a counterregulatory effect to defend against hypertension.

This ELISA was developed with serum from rabbits immunized with Vasoconstriction-Inhibiting Factor (VIF) coupled to a carrier protein.

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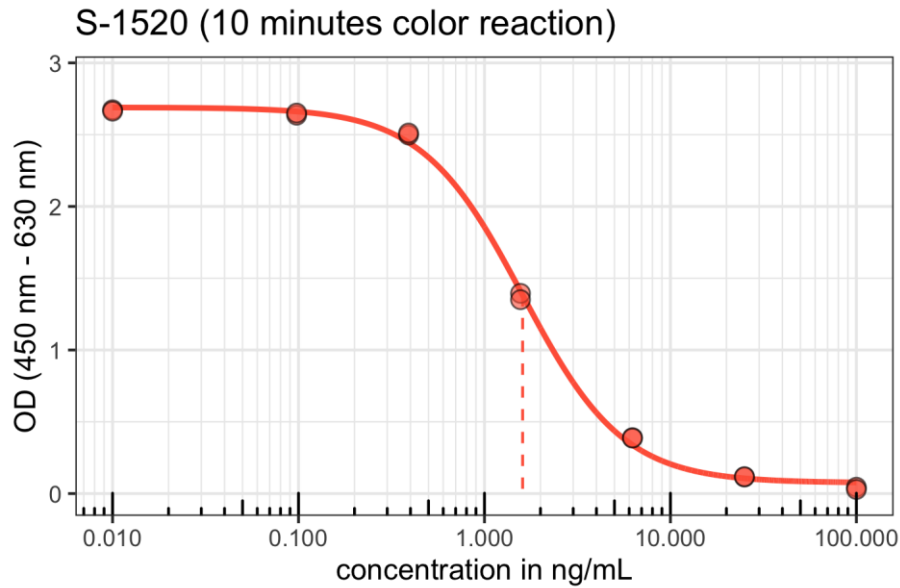
#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A18PO22019
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	96 tests
<b>Format:</b>	Formulated for extracted samples (EIAH type).
<b>Shelf-life:</b>	One year from production date. Store refrigerated at 4° - 8°C.
<b>Applications:</b>	This ELISA has been validated with the included reagents. It is intended to be used with appropriately extracted samples (original protocol III, Std.Ab1hr.Bt). For research use only. Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Range:</b>	0-100ng/ml
<b>Average IC50:</b>	1.6ng/ml
<b>Immunogen:</b>	Synthetic peptide H-His-Ser-Gly-Phe-Glu-Asp-Glu-Leu-Ser-Glu-Val-Leu-Glu-Asn-Gln-Ser-Ser-Gln-Ala-Glu-Leu-Lys-Glu-Ala-Val-Glu-Glu-Pro-Ser-Ser-Lys-Asp-Val-Met-Glu-OH coupled to carrier protein.

#### Cross-Reactivity:

PEPTIDE:	%:
Vasoconstriction-Inhibiting Factor (VIF)	100

Typical titration curve of Vasoconstriction-Inhibiting Factor (VIF) in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.10 to 100ng/ml
<b>Stock</b>	1000	
<b>S1</b>	100.00	Add 100µl Stock + 900µl diluent
<b>S2</b>	25.00	Add 200µl S1 + 600µl diluent
<b>S3</b>	6.25	Add 200µl S2 + 600µl diluent
<b>S4</b>	1.56	Add 200µl S3 + 600µl diluent
<b>S5</b>	0.39	Add 200µl S4 + 600µl diluent
<b>S6</b>	0.10	Add 200µl S5 + 600µl diluent
<b>S0</b>	0.00	500µl diluent

Related Products: T-4977: Rabbit anti VIF, Lyophilized Antiserum for ELISA

This product contains ProClin™ 150 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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EIAH

09.02.2022