



BMA BIOMEDICALS



Peninsula Laboratories

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## S-1403

### AF-16 (26S Proteasome Regulatory Subunit S5A (36-51)) (human, mouse, rat) ELISA

Antisecretory Factor (AF) is a 41 kDa protein that belongs to the innate immune system and provides protection against several forms of pathological secretory conditions and inflammatory reactions. Its activity is localized in the amino-terminal part of the full-length protein and it is excreted in blood, bile, breast milk, saliva and tear fluid. AF-16 is a 16-amino acid peptide derived from the amino-terminal part of the full-length antisecretory factor (AF) protein. It regulates dysfunctions in the water and ion transport system under various pathological conditions as well as counteracts increased tissue pressure.

This ELISA was developed with serum from rabbits immunized with AF-16 coupled to a carrier protein.

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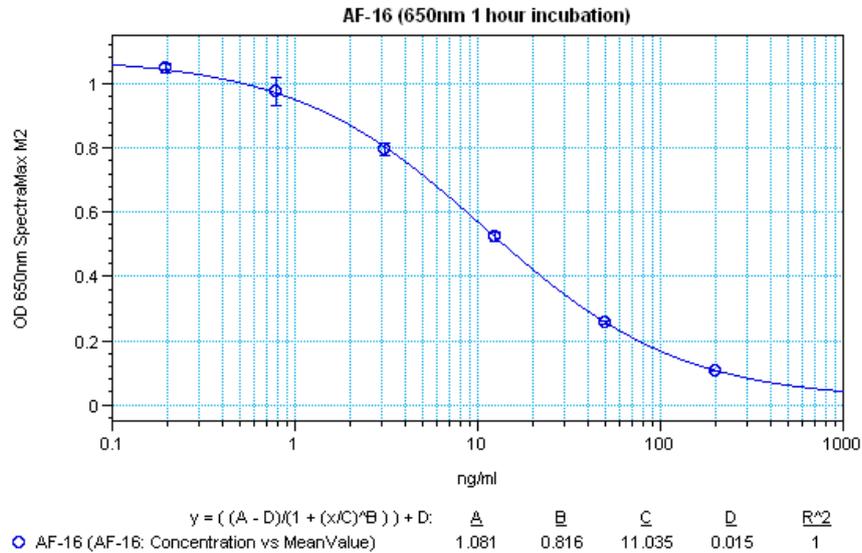
#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A16911
<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 - 200ng/ml
<b>Average IC50:</b>	11ng/ml
<b>Immunogen:</b>	Synthetic peptide H-Val-Cys-His-Ser-Lys-Thr-Arg-Ser-Asn-Pro-Glu-Asn-Asn-Val-Gly-Leu-OH coupled to carrier protein.

#### Cross-Reactivity:

Peptide:	%:
AF-16 (human, mouse, rat)	100
Prepro-Neuromedin U (104-136) (human)	0

Typical titration curve of AF-16 in a competitive ELISA with this antibody:



<b>Suggested Preparation of Standards</b>		
	<b>ng/ml</b>	Range: 0.05 to 50ng/ml
<b>Stock</b>	1000	
<b>S1</b>	50.00	Add 50µl Stock + 950µl diluent
<b>S2</b>	12.50	Add 200µl S1 + 600µl diluent
<b>S3</b>	3.13	Add 200µl S2 + 600µl diluent
<b>S4</b>	0.78	Add 200µl S3 + 600µl diluent
<b>S5</b>	0.20	Add 200µl S4 + 600µl diluent
<b>S6</b>	0.05	Add 200µl S5 + 600µl diluent
<b>S0</b>	0.00	500µl diluent

Related Products: T-4927: Rabbit anti AF-16 (hu, ms, rt), Lyophilized antiserum for ELISA

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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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EIAH – hu, ms, rt

28.1.2021