



BMA BIOMEDICALS



Peninsula Laboratories

S-1504

Humanin (human) ELISA [UniProt: Q8IVG9]

Humanin is a 24 amino acid peptide expressed in various organs, also in the brain and the Alzheimer Disease brain. In laboratory experiments, it has been shown to play a role as a neuroprotective factor, protecting against apoptosis induced by multiple different familial Alzheimer disease genes and amyloid-beta proteins in Alzheimer disease.

This ELISA was developed with serum from rabbits immunized with Humanin coupled to a carrier protein.

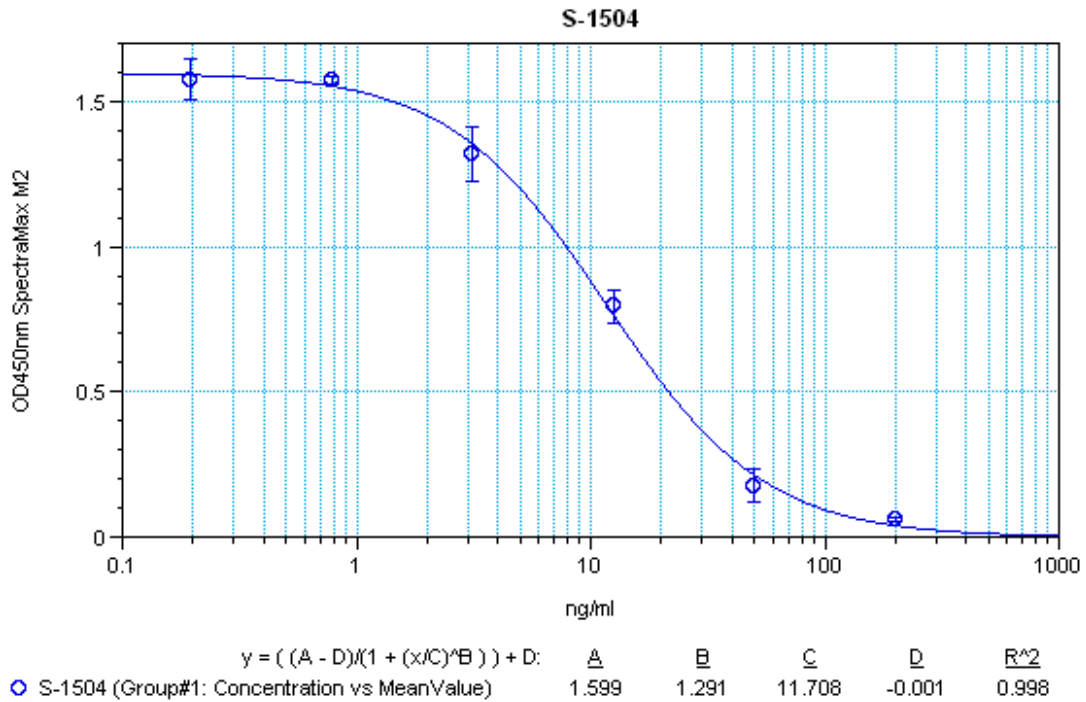
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18157
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Formulated for extracted samples (EIAH type).
Shelf-life:	One year from production date. Store refrigerated at 4° - 8°C.
Applications:	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 www.bma.ch for protocols and general information.
Range:	0 - 200ng/ml
Average IC50:	11ng/ml
Immunogen:	Synthetic peptide H-Met-Ala-Pro-Arg-Gly-Phe-Ser-Cys-Leu-Leu-Leu-Leu-Thr-Ser-Glu-Ile-Asp-Leu-Pro-Val-Lys-Arg-Arg-Ala-OH coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
Humanin (human)	100
β-Amyloid (1-42) (human)	0
β-Amyloid (1-40) (human)	0

Typical titration curve of Humanin in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.20 to 200ng/ml
Stock	1000	
S1	200.00	Add 200µl Stock + 800µl diluent
S2	50.00	Add 200µl S1 + 600µl diluent
S3	12.50	Add 200µl S2 + 600µl diluent
S4	3.13	Add 200µl S3 + 600µl diluent
S5	0.78	Add 200µl S4 + 600µl diluent
S6	0.20	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

Related Products: T-4769: Purified rabbit IgG
T-4770: neat antiserum

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

14.8.2020