



BMA BIOMEDICALS



Peninsula Laboratories

S-1135

Bradykinin ELISA

Bradykinin is a 9 amino acid, biologically active peptide within the kinin group of proteins that promotes inflammation. During inflammation, it is released locally from mast cells and basophils following tissue damage. It has been shown to sensitize capsaicin / temperature TRPV1 receptors, thus lowering the temperature threshold at which they activate.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18159
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 I, Std.Ab.Bt). For research use only. Please see www.bma.ch for protocols and general information.
Range:	0 - 10ng/ml
Average IC50:	0.5ng/ml
Immunogen:	Synthetic peptide H ₂ N-Arg-Pro-Pro-Gly-Phe-Ser-Pro-Phe-Arg-OH coupled to a carrier protein.

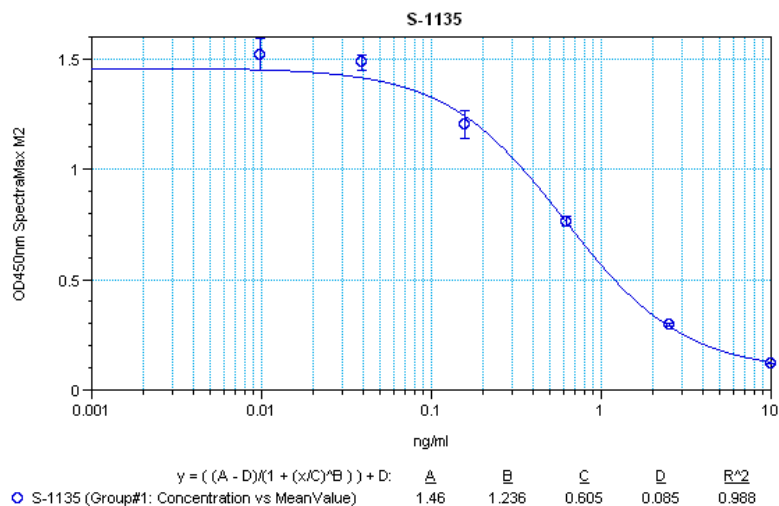
Cross-Reactivity:

PEPTIDE:	%:
Bradykinin	100
Lys-Bradykinin	100
Biotinyl-Bradykinin	100
(Tyr ⁰)-Bradykinin	100
[Des-Arg ¹]-Bradykinin	100
Bradykinin (4-9)	100
Bradykinin (5-9)	40
Bradykinin (7-9)	0
[Des-Arg ⁹]-Bradykinin	0
Bradykinin Potentiator B	0
Angiotensin II	0

Cross-Reactivity (continued):

PEPTIDE:	%:
Met-Enkephalin	0
Substance P	0
Endothelin-1 (human, bovine, canine, mouse, porcine, rat)	0

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



Suggested Preparation of Standards		
	ng/ml	Range: 0.01 to 10ng/ml
Stock	1000	
S1	10.00	Add 10µl Stock + 990µl diluent
S2	2.50	Add 200µl S1 + 600µl diluent
S3	0.63	Add 200µl S2 + 600µl diluent
S4	0.16	Add 200µl S3 + 600µl diluent
S5	0.04	Add 200µl S4 + 600µl diluent
S6	0.01	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

Related Products: T-4019: neat antiserum
T-4018: purified IgG

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.