



BMA BIOMEDICALS



Peninsula Laboratories

β -Casomorphin-5 (bovine) ELISA

β -Casomorphin-5 fragment is an opioid receptor and belongs to the β -Casomorphin peptide family derived from β -Casein. β -Casomorphins are used to study their differential effects on processes such as hyperglycemia, oxidative stress, opioid signaling and immunosuppression.

This ELISA was developed with serum from rabbits immunized with β -Casomorphin-5 coupled to a carrier protein.

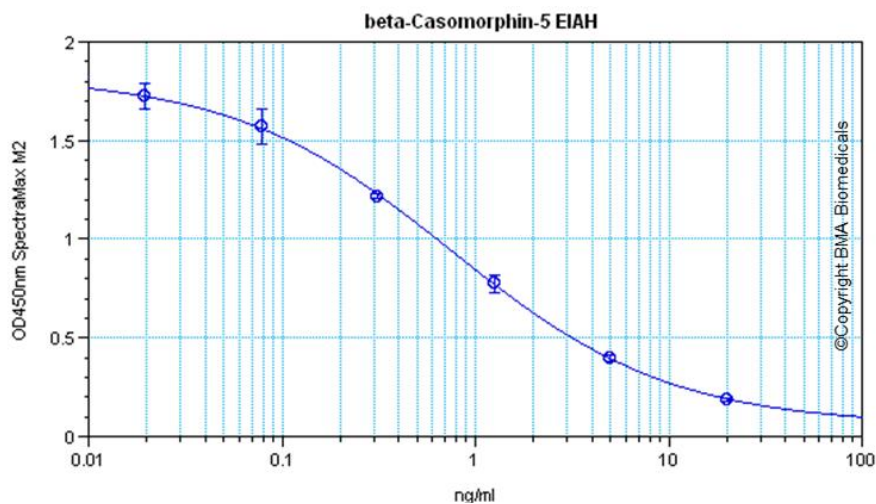
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product number:	S-1478 (Lot A12575)
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Formulated for extracted samples (EIAH type).
Shelf-life:	One year from date of purchase. 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, following protocol III. Please see www.bma.ch for protocols and general information.
Range:	0 - 20 ng/ml
Average IC₅₀:	1.0 ng/ml
Immunogen:	Synthetic peptide H-Tyr-Pro-Phe-Pro-Gly-OH coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
Beta-Casomorphin-5	100
Beta-Casomorphin-7 (bovine)	0

Typical titration curve of β -Casomorphin-5 in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.02 to 20ng/ml
Stock	1000	
S1	20.00	Add 20µl Stock + 980µl diluent
S2	5.00	Add 200µl S1 + 600µl diluent
S3	1.25	Add 200µl S2 + 600µl diluent
S4	0.31	Add 200µl S3 + 600µl diluent
S5	0.08	Add 200µl S4 + 600µl diluent
S6	0.02	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

Related Products:

S-1334: ELISA, high sensitivity for extracted samples

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