



BMA BIOMEDICALS



Peninsula Laboratories

CART (55-102) (human) ELISA

CART (55-102) is a cocaine- and amphetamine-regulated transcript (CART) with potent appetite-suppressing activity. It inhibits normal and starvation-induced feeding. CART is closely related to the actions of leptin and neuropeptide Y blocking the neuropeptide Y-induced feeding response. It also known to induce anxiety and stress behavior in rodents.

This ELISA was developed with serum from rabbits immunized with CART (55-102) coupled to a carrier protein.

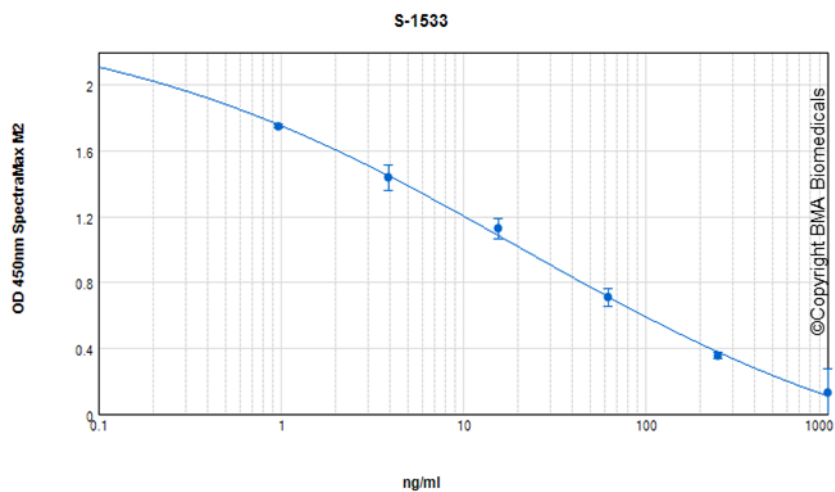
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product number:	S-1533
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 - 1000 ng/ml
Average IC₅₀:	17.0 ng/ml
Immunogen:	Synthetic H-Val-Pro-Ile-Tyr-Glu-Lys-Lys-Tyr-Gly-Gln-Val-Pro-Met-Cys-Asp-Ala-Gly-Glu-Gln-Cys-Ala-Val-Arg-Lys-Gly-Ala-Arg-Ile-Gly-Lys-Leu-Cys-Asp-Cys-Pro-Arg-Gly-Thr-Ser-Cys-Asn-Ser-Phe-Leu-Leu-Lys-Cys-Leu-OH (Disulfide bonds between Cys68 and Cys88/Cys74 and Cys94/Cys88 and Cys101), coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
CART (55-102) (human)	100

Typical titration curve of CART (55-102) in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.98 to 1000ng/ml
Stock	1000	
S1	1000.00	Add 225µl Stock + 0µl diluent
S2	250.00	Add 100µl S1 + 300µl diluent
S3	62.50	Add 100µl S2 + 300µl diluent
S4	15.63	Add 100µl S3 + 300µl diluent
S5	3.91	Add 100µl S4 + 300µl diluent
S6	0.98	Add 100µl S5 + 300µl diluent
S0	0.00	500µl diluent

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