



BMA BIOMEDICALS



Peninsula Laboratories

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**S-1533**

## **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.

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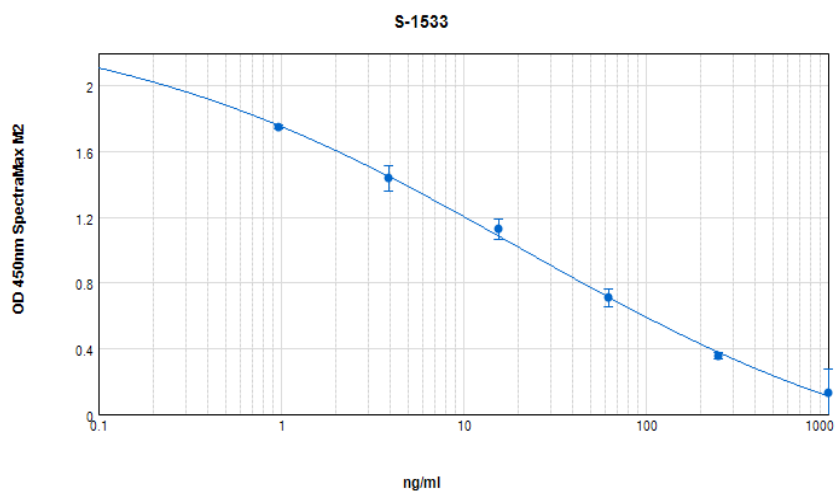
### **TECHNICAL AND ANALYTICAL CHARACTERISTICS**

<b>Lot number:</b>	n/a
<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>	0-1000ng/ml
<b>Average IC50:</b>	17ng/ml
<b>Immunogen:</b>	Synthetic peptide 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 Cys <sup>68</sup> and Cys <sup>86</sup> /Cys <sup>74</sup> and Cys <sup>94</sup> /Cys <sup>88</sup> and Cys <sup>101</sup> ) coupled to carrier protein.

#### **Cross-Reactivity:**

<b>PEPTIDE:</b>	<b>%:</b>
CART (55-102) (human)	100

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



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

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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

1.03.2021