



BMA BIOMEDICALS



Peninsula Laboratories

S-1511

Glucagon-Like Peptide-1 (GLP-1) (32-36) (human, mouse, rat) Elisa

Glucagon-Like Peptide-1 (GLP-1) (32-36) amide is a pentapeptide derived from the glucocretin hormone GLP-1, that increases basal energy expenditure and curtails the development of obesity, insulin resistance, diabetes, and hepatic steatosis in diet-induced obese mice. Glucagon-Like Peptide-1 (GLP-1) (32-36) amide inhibited weight gain, reduced fat mass without change in energy intake, and increased basal energy expenditure independent of physical activity.

This ELISA was developed with serum from rabbits immunized with GLP-1 (32-36) coupled to a carrier protein.

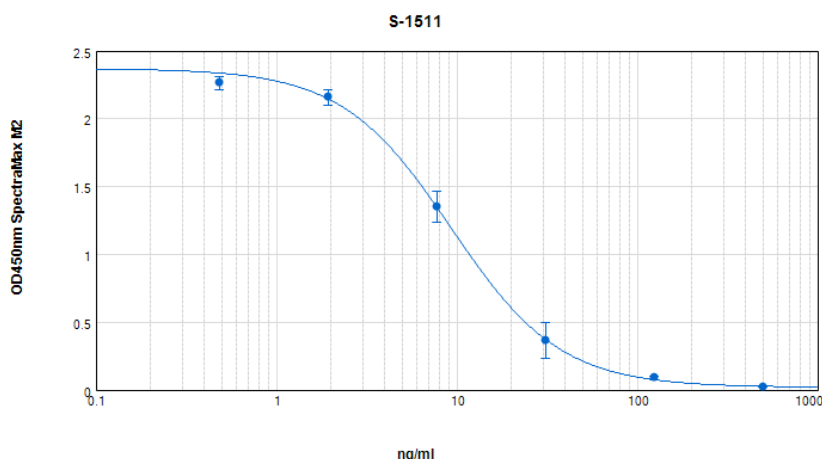
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18163
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:	0-500ng/ml
Average IC50:	13ng/ml
Immunogen:	Synthetic peptide H- Leu-Val-Lys-Gly-Arg-NH ₂ coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
GLP-1 (32-36) amide	100
GLP-1 (28-36) amide (human, mouse, rat)	100
GLP-1 (7-36) amide (human, bovine, guinea pig, mouse, rat)	100
GLP-1 (9-36) amide (human)	29
GLP-1 (human)	0
GLP-1 (7-37) (human, bovine, guinea pig, mouse, rat)	0

Typical titration curve of GLP-1 (32-36) in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.49 to 500ng/ml
Stock	1000	
S1	500.00	Add 250µl Stock + 250µl diluent
S2	125.00	Add 200µl S1 + 600µl diluent
S3	31.25	Add 200µl S2 + 600µl diluent
S4	7.81	Add 200µl S3 + 600µl diluent
S5	1.95	Add 200µl S4 + 600µl diluent
S6	0.49	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

Related Products: T-4973: anti GLP-1 (32-36) amide, Lyophilized antiserum for ELISA

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

21.12.2020