



BMA BIOMEDICALS



Peninsula Laboratories

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

Glucagon-Like Peptide 1 (GLP-1) (32-36) amide is a novel pentapeptide cleavage product of GLP-1. It is known to activate AMPK signaling and to protect against palmitate-induced oxidative stress. Glucagon-Like Peptide 1 (32-36) modulates whole body glucose metabolism in dogs.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

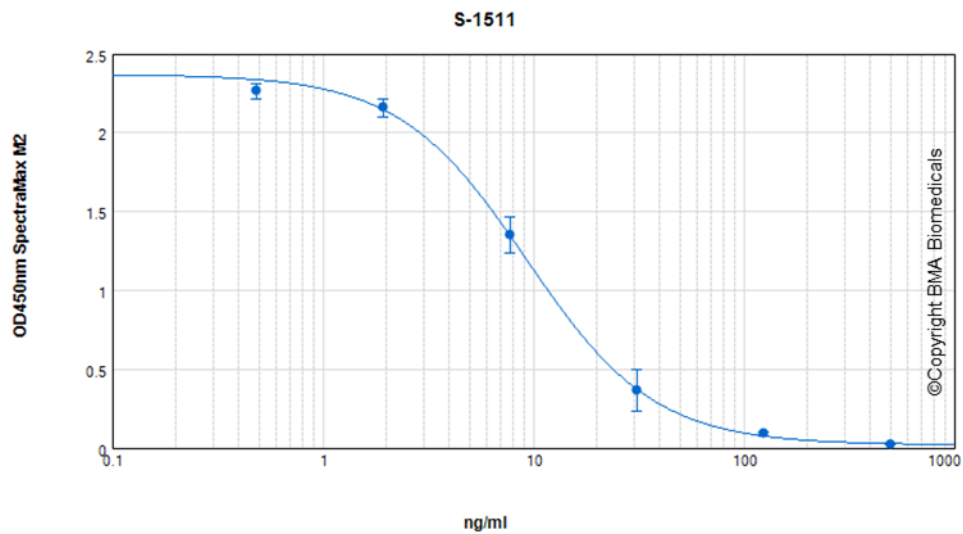
Product number:	S-1511 (Lot A18163)
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Formulated for extracted samples (EIAH type).
Shelf-life:	One year from date of purchase. Store refrigerated at 4° - 8°C.
Applications:	This ELISA has been validated with the included reagents. It is intended to be used with appropriately extracted samples, following protocol III. Please see www.bma.ch for protocols and general information.
Range:	0 - 500 ng/ml
Average IC₅₀:	13.0 ng/ml
Immunogen:	Synthetic peptide H-Leu-Val-Lys-Gly-Arg-NH ₂ , coupled to carrier protein.

Protein database: [human-P01275](#), [mouse-P55095](#), [rat-P32301](#)

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:

- S-1359: ELISA, extraction-free for human serum and plasma samples
- T-4057: Rabbit anti GLP-1 (7-36) amide, neat antiserum
- T-4111: Rabbit anti GLP-1 (7-36) amide, purified IgG
- T-4363: Rabbit anti GLP-1 (7-37), neat antiserum

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