



BMA BIOMEDICALS



Peninsula Laboratories

Glucagon-Like Peptide 1 (GLP-1) (7-36) amide (human, bovine, guinea pig, mouse, rat) ELISA

Glucagon-Like Peptide 1 (GLP-1) (7-36) amide is an incretin hormone that causes the glucose dependent release of insulin by pancreatic beta cells. It is the cleavage product of GLP-1 (1-36) amide peptide. GLP-1 is involved in gastric motility, the suppression of plasma glucagon levels, and possibly in the promotion of satiety and stimulation of glucose disposal in peripheral tissues, independent of the actions of insulin.

This ELISA was developed with serum from rabbits immunized with Glucagon-Like Peptide 1 coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product number:	S-1359 (Lot A18PO23016)
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Extraction-free kit for human serum or plasma (ELIAS 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 samples of human origin, following protocol V. Please see www.bma.ch for protocols and general information.
Range:	0 - 10 ng/ml
Average IC₅₀:	0.46 ng/ml
Immunogen:	Synthetic peptide peptide H-His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg-NH ₂ coupled to carrier protein.
Protein database:	human-P01275 , bovine-P01272 , guinea pig-P05110 , mouse-P55095 , rat-P06883

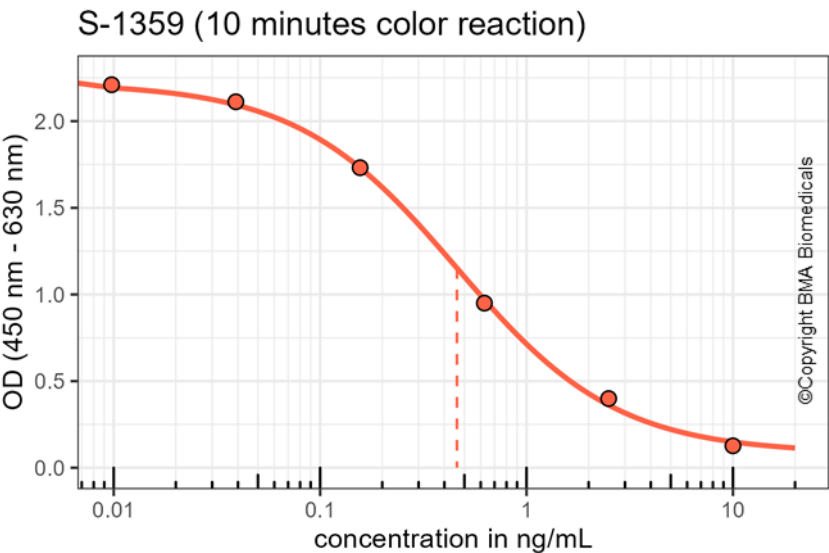
Cross-Reactivity:

PEPTIDE	%
GLP-1 (7-36) amide (human)	100
GLP-1 (7-37) (human)	0.4
GLP-1 (human)	0.2
GLP-2 (human)	0
Glucagon (1-29) (human)	0
Insulin (human)	0
GIP (human)	0

Cross-Reactivity:	
PEPTIDE	%
Secretin (human)	0
VIP (human, bovine, porcine, rat)	0

Cross-Reactivity data is taken from Radioimmunoassay applications.

Typical titration curve of GLP-1 (7-36) in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.01 to 10ng/ml
Stock	1000	
S1	10.00	Add 10µl Stock + 990µl diluent
S2	2.50	Add 200µl S1 + 600µl diluent
S3	0.63	Add 200µl S2 + 600µl diluent
S4	0.16	Add 200µl S3 + 600µl diluent
S5	0.04	Add 200µl S4 + 600µl diluent
S6	0.01	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

Related Products:

- S-1511: ELISA, high sensitivity for extracted samples
- T-4057: Rabbit GLP-1 (7-36) amide, neat antiserum
- T-4111: Rabbit GLP-1 (7-36) amide, purified IgG
- T-4363: Rabbit GLP-1 (7-37) amide, neat antiserum

This product contains ProClin™150 as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.