BMA BIOMEDICALS

Peninsula Laboratories

S-1359

Glucagon-Like Peptide 1 (GLP-1) (7-36) amide ELISA (human, bovine, guinea pig, mouse, rat) [UniProt: P01275, P01272, P05110, P55095, P06883]

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

Lot number: A18100

Host species: Rabbit IgG

Quantity: 96 tests

Format: Extraction-free kit for human serum or plasma (EIAS 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 samples of human origin (original protocol V, Ab1hr.Std2hr.BtON). For research use only.
Please see **www.bma.ch** for protocols and general information.

Range: 0 - 10ng/ml

Average IC50: 0.2ng/ml

Immunogen: Synthetic 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.

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

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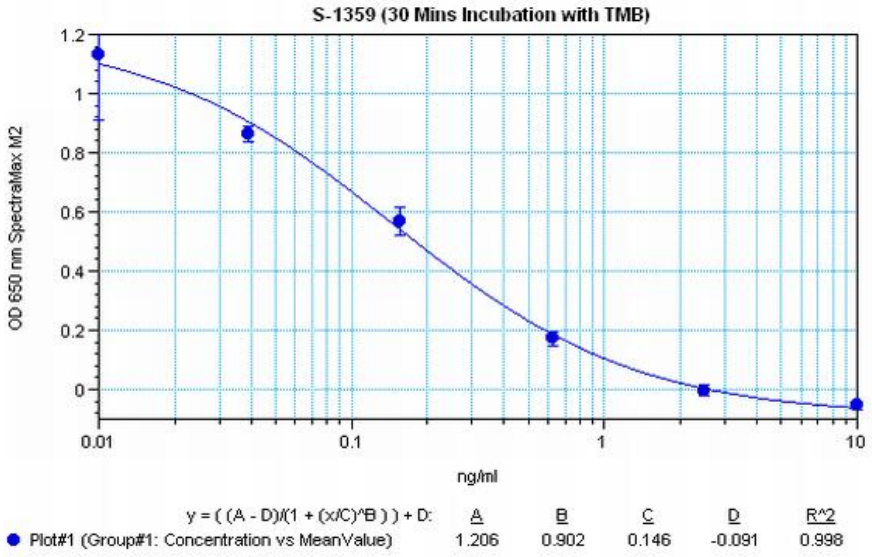
Cross-Reactivity (continued):

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

Cross-Reactivity data is taken from Radioimmunoassay applications.

Typical titration curve of GLP-1 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: neat antiserum anti GLP-1 (7-36) amide
T-4111: rabbit anti GLP-1 (7-36) amide, purified IgG
T-4363: neat rabbit antiserum anti GLP-1 (7-37)

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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