



BMA BIOMEDICALS



Peninsula Laboratories

S-1509

Lixisenatide (Des-38-proline-exendin-4 (Heloderma suspectum)-(1-39)-peptidylpenta-L-lysyl-L-lysineamide) ELISA [UniProt: P43220]

Lixisenatide is a member of the class of Glucagon-like peptide-1 receptor agonist drug, each of which activates the GLP-1 receptor. GLP-1 is a hormone that helps pancreatic beta cells to secrete insulin in response to high blood sugar. Because it works like the normal hormone, insulin is only secreted when blood sugar is high. Like GLP-1, it also slows gastric emptying. Lixisenatide is a once-daily injectable GLP-1 receptor agonist for the treatment of type 2 diabetes. It is used as adjunct to diet and exercise to treat type 2 diabetes.

This ELISA was developed with serum from rabbits immunized with Lixisenatide coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

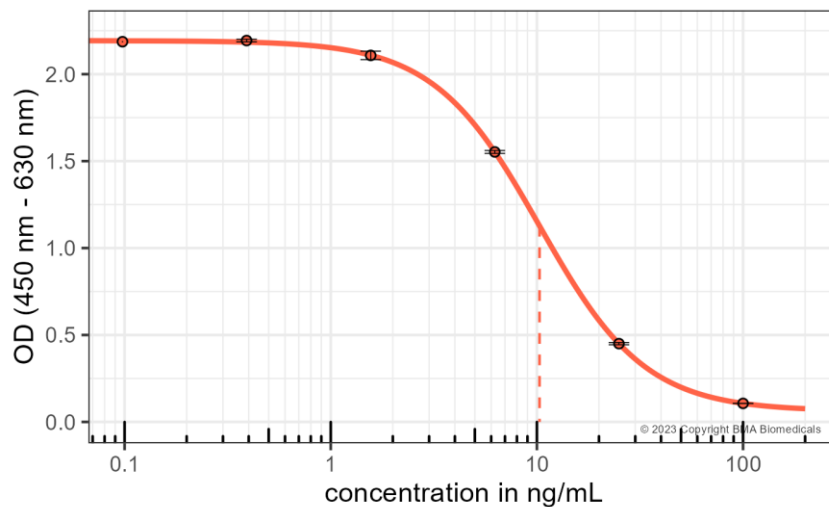
Lot number:	A18PO23100
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Formulated for extracted samples (EIAH type).
Shelf-life:	One year from production date. Store refrigerated at 4° - 8°C.
Applications:	This ELISA has been validated with the included reagents. It is intended to be used with appropriately extracted samples (original protocol III, Std.Ab1hr.Bt). For research use only. Please see www.bma.ch for protocols and general information.
Range:	0-100ng/ml
Average IC50:	10.3ng/ml
Immunogen:	Synthetic peptide H-His-Gly-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Leu-Ser-Lys-Gln-Met-Glu-Glu-Glu-Ala-Val-Arg-Leu-Phe-Ile-Glu-Trp-Leu-Lys-Asn-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Ser-Lys-Lys-Lys-Lys-Lys-NH2 coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Lixisenatide	100

Typical titration curve of Lixisenatide in a competitive ELISA with this antibody:

S-1509 (10 minutes color reaction)



Suggested Preparation of Standards		
	ng/ml	Range: 0.10 to 100ng/ml
Stock	1000	
S1	100.00	Add 100µl Stock + 900µl diluent
S2	25.00	Add 200µl S1 + 600µl diluent
S3	6.25	Add 200µl S2 + 600µl diluent
S4	1.56	Add 200µl S3 + 600µl diluent
S5	0.39	Add 200µl S4 + 600µl diluent
S6	0.10	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

This product contains ProClin™ 150 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

27.11.2023