



BMA BIOMEDICALS



Peninsula Laboratories

S-1530

Semaglutide ELISA

Semaglutide is a therapeutically effective analogue of glucagon-like peptide-1 (GLP-1). GLP-1 is an incretin hormone with important effects on glycemic control and body weight regulation, particularly relevant in people with type 2 diabetes (T2D). Semaglutide is a long-acting GLP-1 analogue.

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

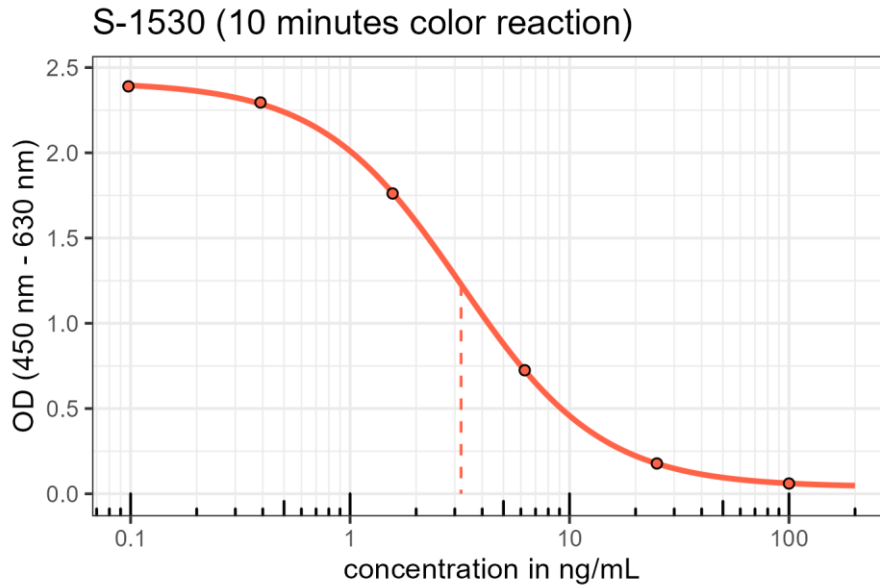
TECHNICAL AND ANALYTICAL CHARACTERISTICS

- Lot number:** A22PO23082
- 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 with the enclosed protocol. For research use only.
Please see www.bma.ch for protocols and general information.
- Range:** 0 - 100 ng/ml
- Average IC50:** 3.20 ng/ml
- Immunogen:** Synthetic peptide H-His-Aib-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys[(AEEA)2-Y-Glu-N-(17-carboxy-1-oxoheptadecyl)]-Glu-Phe-Ile-Ala-Trp-Leu-Val-Arg-Gly-Arg-Gly-OH coupled to carrier protein.

Cross-Reactivity:

Peptide:	%:
Semaglutide	100

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



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.

S-1530

EIAH

25.10.2023