



BMA BIOMEDICALS



Peninsula Laboratories

S-1400

Lanreotide ELISA

Lanreotide is a synthetic peptide analogue of somatostatin, a naturally occurring inhibitory hormone which blocks the release of several other hormones, including growth hormone, thyroid-stimulating hormone (TSH), insulin and glucagon. It binds to the same receptors as somatostatin, although with higher affinity to peripheral receptors, and has similar activity. However, while somatostatin is quickly broken down in the body (within minutes), lanreotide has a much longer half-life, and produces far more prolonged effects.

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

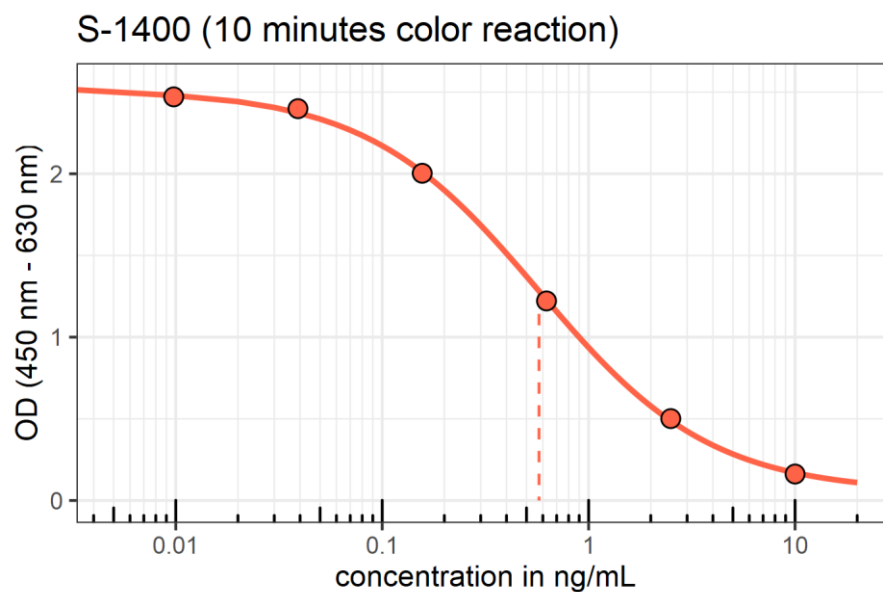
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18PO22083
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:	0-10ng/ml
Average IC50:	0.6ng/ml
Immunogen:	Synthetic peptide H-D-2-Nal-Cys-Tyr-D-Trp-Lys-Val-Cys-Thr-NH2 (Disulfide bond) coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Lanreotide	100
Somatostatin-14	<0.1
Octreotide	0
26S Proteasome Regulatory Subunit S5A (36-51) (human, mouse, rat)	0

Typical titration curve of Lanreotide 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

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

16.06.2022