



BMA BIOMEDICALS



Peninsula Laboratories

Octreotide (rat) ELISA

Octreotide is an octapeptide analogue of somatostatin that mimics the pharmacological effect of somatostatin itself; pharmacokinetically, octreotide has a longer half-life than somatostatin due to the presence of D amino acids that give it greater resistance to the circulating peptidases involved in degrading somatostatin; Furthermore, octreotide's effect as an inhibitor of somatotropin, glucagon and insulin release is greater in comparison with the endogenous hormone. Octreotide is marketed under the brand name Sandostatin®, among others, and it is used to treat acromegaly, to reduce flushing episodes and watery diarrhea caused by cancerous tumors (carcinoid syndrome) or tumors called vasoactive intestinal peptide tumors (VIPomas).

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

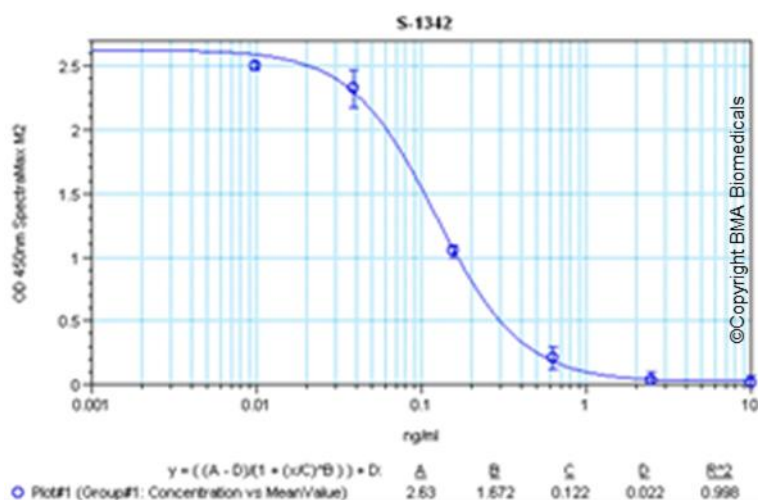
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product number:	S-1342 (Lot A18150)
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Extraction-free kit for rat serum or plasma (EIAS 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:	0.13 ng/ml
Immunogen:	Synthetic peptide H-D-Phe-Cys-Phe-D-Trp-Lys-Thr-Cys-L-threoninol (disulfide bond) coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
Octreotide	100
Somatostatin-14	0
Somatostatin-28	0
Somatostatin Analog, RC-160	0
Somatostatin Analog, (CTOP)	0

Typical titration curve of Octreotide 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-1275: ELISA, high sensitivity for extracted samples,

S-1341: ELISA, extraction-free for human samples

T-4582: Rabbit anti Octreotide, neat antiserum

T-4590: Rabbit anti Octreotide, diluted antiserum

T-4874: Rabbit anti Octreotide, purified IgG

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