



Peninsula Laboratories, LLC

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Cat. No. S-1179 Somatostatin-14

SPECIFICATIONS: Formulated for extracted samples

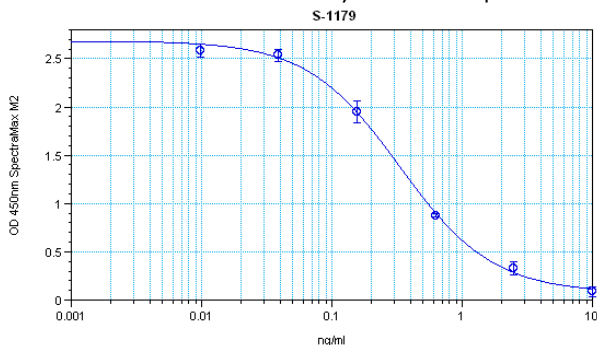
STANDARD: 1 µg H-1490 H-Ala-Gly-Cys-Lys-Asn-Phe-Phe-Trp-Lys-Thr-Phe-Thr-Ser-Cys-OH, (Disulfide bond)

PROTOCOL: III (Std.Ab1hr.Bt)

RANGE: 0-10 ng/ml

AVERAGE IC₅₀: 0.26 ng/ml

SHELF-LIFE: One year from production date



$y = ((A - D)/(1 + (x/C)^B)) + D$

Plot#1 (Group#1: Concentration vs MeanValue)

Parameter	Value
A	2.687
B	1.217
C	0.333
D	0.075
R ²	0.999

Suggested Preparation of Standards		
	ng/ml	Range: 0.01 to 10 ng/ml
Stock	1000	
S1	10.00	Add 10 µl stock + 990 µl diluent
S2	2.50	Add 200 µl S1 + 600 µl diluent
S3	0.63	Add 200 µl S2 + 600 µl diluent
S4	0.16	Add 200 µl S3 + 600 µl diluent
S5	0.04	Add 200 µl S4 + 600 µl diluent
S6	0.01	Add 200 µl S5 + 600 µl diluent
S0	0.00	500 µl diluent

CROSS REACTION:

PEPTIDE

%

Somatostatin-14	100
Somatostatin-28	100
Somatostatin-25	100
[Des-Ala ¹]-Somatostatin-14	100
[D-Trp ⁸]-Somatostatin-14	0.05
Prosomatostatin (1-32) (porcine)	0.002
Somatostatin Analog, RC-160	0
H-D-Phe-Cys-Tyr-D-Trp-Orn-Thr-Pen-Thr-NH ₂	0
Substance P	0
NPY (porcine)	0
VIP (human, bovine, rat, porcine)	0
Insulin (human)	0
Glucagon (1-29) (human, bovine, porcine)	0
Amylin (human)	0