



Peninsula Laboratories, LLC

A Member of the Bachem Group

305 Old County Road, San Carlos, CA 94070

Tel: (800) 922-1516 • (650) 592-5392

Fax: (650) 595-4071

www.bachem.com



Cat. No. S-1352

β-Endorphin (human)

(For rat serum and plasma samples)

SPECIFICATIONS: Extraction-free kit for rat serum/plasma

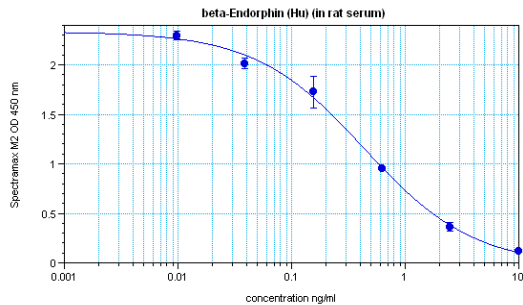
STANDARD: 1 μg H-2700 H-Tyr-Gly-Gly-Phe-Met-Thr-Ser-Glu-Lys-Ser-Gln-Thr-Pro-Leu-Val-Thr-Leu-Phe-Lys-Asn-Ala-Ile-Ile-Lys-Asn-Ala-Tyr-Lys-Lys-Gly-Glu-OH

PROTOCOL: V (Ab1hr.Std2hr.BtON)

RANGE: 0-10 ng/ml

AVERAGE IC₅₀: 0.5 ng/ml

SHELF-LIFE: One year from production date



• Plot#1 (Group#1: Concentration vs MeanValue)
 $y = ((A - D) / (1 + (x/C)^B)) + D$
 A: 2.338 B: 0.904 C: 0.436 D: -0.029 R²: 0.998

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

PEPTIDE	%
β-Endorphin (human)	100
β-Endorphin (equine)	100
β-Endorphin (porcine)	100
β-Lipotropin (human)	100
β-Endorphin (1-27) (human)	92
β-Endorphin (rat)	80
Ac-β-Endorphin (human)	70
Ac-β-Endorphin (1-27) (human)	50
β-Endorphin (6-31) (human)	43
β-Endorphin (camel, bovine, mouse, ovine)	39
β-Endorphin (1-26) (human)	37
Ac-β-Endorphin (1-26) (human)	30
γ-Endorphin	0
α-Endorphin	0
Met-Enkephalin	0
α-MSH	0
ACTH (1-39) (human)	0
Dynorphin A	0