



BMA BIOMEDICALS



Peninsula Laboratories

S-1181

Corticotropin-Releasing Factor (CRF) (human, mouse, rat) ELISA [UniProt: P06850, Q8CIT0, P01143]

Corticotropin-Releasing Factor (CRF, also known as Corticoliberin) is a 41 amino acid peptide hormone derived from the 196-amino acid preprohormone. It is secreted in the hypothalamus in response to stress, and stimulates both the synthesis and the secretion of adrenocorticotrophic hormone (ACTH). CRF is also synthesized in peripheral tissues and placenta and it is known to suppress appetite and increase subjective feelings of anxiety.

This ELISA was developed with serum from rabbits immunized with Corticotropin-Releasing Factor (CRF) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A17877
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Extraction-free kit for human serum or plasma (EIAS 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 samples of human origin (original protocol V, Ab1hr.Std2hr.BtON). For research use only. Please see www.bma.ch for protocols and general information.
Range:	0-25ng/ml
Average IC50:	1.4ng/ml
Immunogen:	Synthetic peptide H-Ser-Glu-Glu-Pro-Pro-Ile-Ser-Leu-Asp-Leu-Thr-Phe-His-Leu-Leu-Arg-Glu-Val-Leu-Glu-Met-Ala-Arg-Ala-Glu-Gln-Leu-Ala-Gln-Gln-Ala-His-Ser-Asn-Arg-Lys-Leu-Met-Glu-Ile-Ile-NH ₂ coupled to carrier protein.

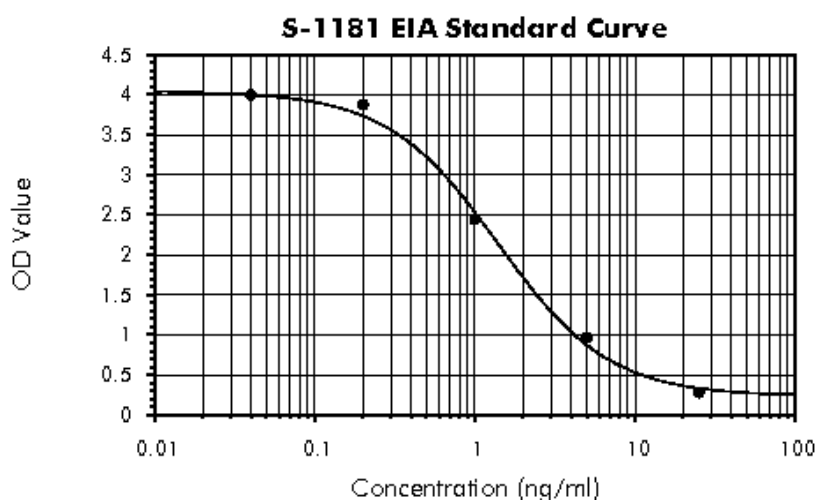
Cross-Reactivity:

PEPTIDE:	%:
CRF (human, mouse, rat)	100
CRF (bovine)	0
CRF (ovine)	0
Sauvagine	0
Prepro-CRF (125-151) (human)	0
PACAP-38 (human, mouse, ovine, porcine, rat)	0

Cross-Reactivity (continued):

PEPTIDE:	%:
LHRH	0
ACTH (1-39) (human)	0
(Arg ⁸)-Vasopressin	0
BNP-45 (rat)	0

Typical titration curve of Corticotropin-Releasing Factor (CRF) in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.02 to 25ng/ml
Stock	1000	
S1	25.00	Add 25µl Stock + 975µl diluent
S2	6.25	Add 200µl S1 + 600µl diluent
S3	1.56	Add 200µl S2 + 600µl diluent
S4	0.39	Add 200µl S3 + 600µl diluent
S5	0.10	Add 200µl S4 + 600µl diluent
S6	0.02	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

Related Products: T-4037: anti CFR (hu, ms, rt), neat antiserum
 T-4035: anti CFR (hu, ms, rt) diluted antiserum for RIA
 S-1182: ELISA, extraction-free for serum and plasma samples
 S-1169: ELISA, high sensitivity, for extracted samples (hu, ms, rt)

This product contains Thimerosal 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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EIAS – hu, ms, rt

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