



BMA BIOMEDICALS



Peninsula Laboratories

S-1185

Adrenocorticotrophic Hormone (1-24) - ELISA

Adrenocorticotrophic Hormone (ACTH) (1-24) (also known as Tetracosactide or Cosyntropin) is a synthetic peptide that is identical to the 24-amino acid segment at the N-terminal of adrenocorticotrophic hormone. ACTH (1-24) contains the biological activity that stimulates the production of corticosteroids in the adrenal cortex. It exhibits the same activity as natural ACTH with regard to all its biological activities.

This ELISA was developed with serum from rabbits immunized with Adrenocorticotrophic Hormone (1-24) coupled to a carrier protein.

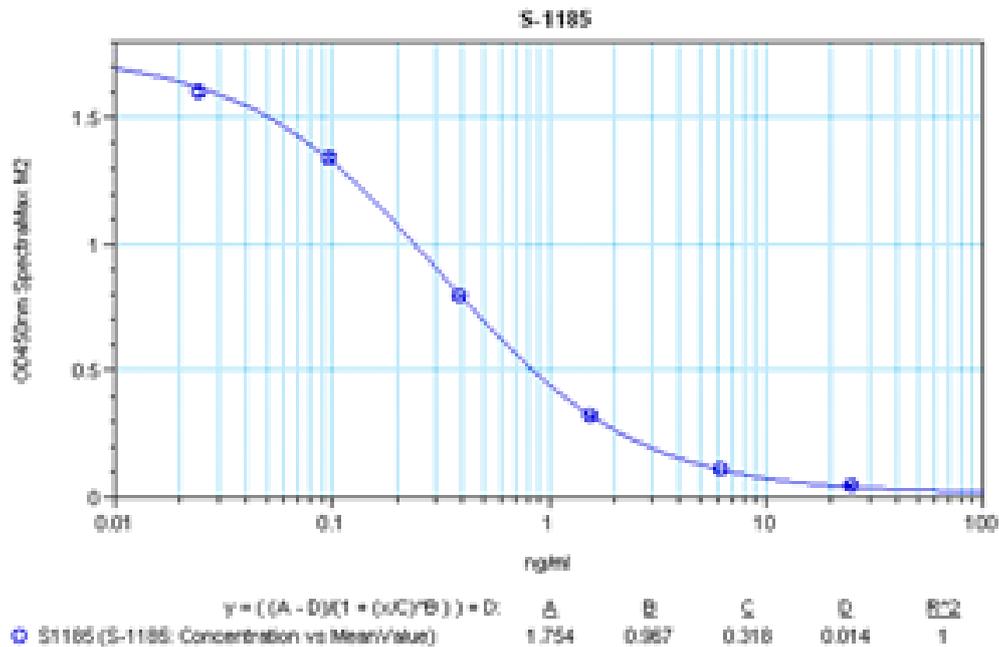
TECHNICAL AND ANALYTICAL CHARACTERISTICS

- Lot number:** A17884
- 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.
- Immunogen:** Synthetic peptide H- Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-Tyr-Pro-OH (Disulfide bond) coupled to carrier protein.

Cross Reactivity:

Peptide:	%:
ACTH (1-39) (mouse, rat)	100
ACTH (1-39) (human)	100
ACTH (1-24) (human)	100
ACTH (7-38) (human)	31.2
ACTH (18-39) (human)	0
α -MSH	0
LH-RH	0
PACAP-38 (human, mouse, ovine, porcine, rat)	0
β -Endorphin (rat)	0

Typical titration curve of Adrenocorticotrophic Hormone (1-24) 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-4123: anti ACTH (1-24) (hu), neat antiserum, host: rabbit
T-4122: anti ACTH (1-24) (hu), purified IgG
T-4117: anti ACTH (1-24) (hu), diluted antiserum, host: rabbit

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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EIAH – human, bovin, rat

25.5.2020