



BMA BIOMEDICALS



Peninsula Laboratories

T- 4119

Rabbit anti Adrenocorticotrophic Hormone (1-39)

Adrenocorticotrophic Hormone (ACTH) is a 39 amino acid peptide hormone produced and secreted by cells of the anterior pituitary gland. It is an important component in therapeutic and diagnostic procedures. This hormone is central to the hypothalamic-pituitary-adrenal axis, a major neuroendocrine system that controls reactions to stress and regulates many body processes, including digestion, the immune system, mood and emotions, and energy metabolism.

This antibody was generated by immunization of rabbits with Adrenocorticotrophic Hormone (1-39) coupled to a carrier protein.

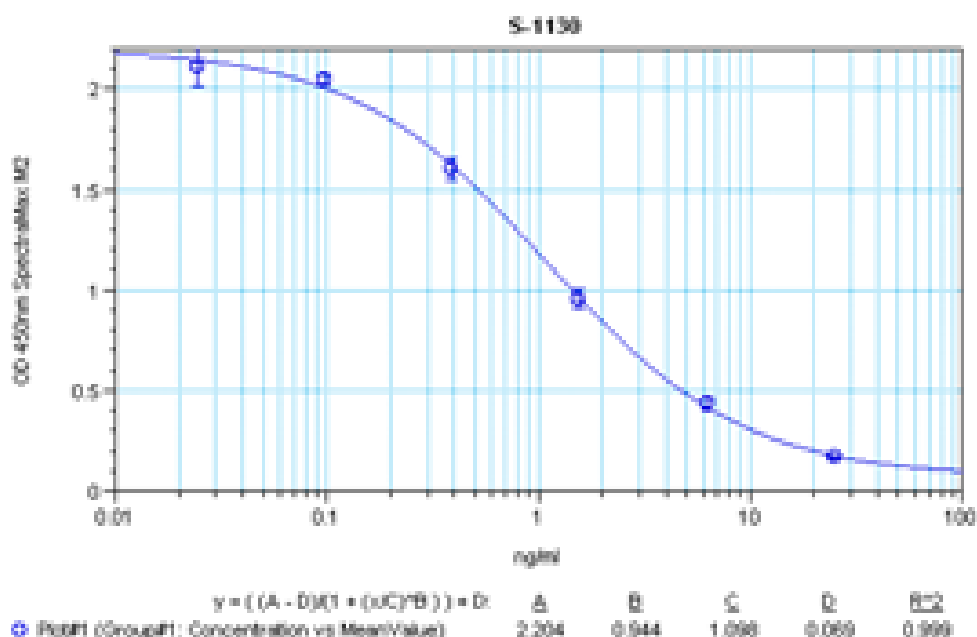
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A22631
Host species:	Rabbit IgG
Quantity:	50µl
Format:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
Stability:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Applications:	This antibody has been tested and validated in ELISA against Adrenocorticotrophic Hormone. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optical dilutions should be determined by the end user. 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-Asn-Val-Ala-Glu-Asn-Glu-Ser-Ala-Glu-Ala-Phe-Pro-Leu-Glu-Phe-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 (1-39) in a competitive ELISA with this antibody:



Related Products: T-4122: purified IgG
S-1130: ELISA, high sensitivity for extracted samples
S-1184: ELISA, high sensitivity for extracted samples
S-1376: ELISA, extraction-free for human samples

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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neat antiserum

25.5.2020