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## 36-2959: Anti-ACTH (Adrenocorticotrophic Hormone) (C-Terminus) Monoclonal Antibody(Clone: CLIP/1418)

Clonality: Monoclonal
Clone Name: CLIP/1418
Application: ELISA
Reactivity: Human
Gene: POMC
Gene ID: 5443
Uniprot ID: P01189

Adrenocorticotropin; alpha or beta or gamma Melanocyte Stimulating Hormone (MSH) or

Alternative Name: Melanotropin; beta-Endorphin; beta or gamma Lipotropin (LPH); CLIP; Met Enkephalin; POC;

POMC

**Isotype:** Mouse IgG1, kappa

Immunogen Information: Synthetic peptide corresponding to aa25-39 of human ACTH (NGAEDESAEAFPLEF)

## **Description**

ACTH (same as Corticotropin) is a 39 amino acid active peptide produced by the anterior pituitary. This MAb is specific to CLIP (aa25-39 of ACTH); does not react with Synacthen (aa1-24 of ACTH). POMC (pro-opiomelanocortin or corticotropin-lipotropin) is a 267 amino acid polypeptide hormone precursor that goes throµgh extensive, tissue-specific posttranslational processing by convertases. POMC is cleaved into ten hormone chains named NPP, ACTH, alpha-MSH (Melanocyte Stimulating Hormone), beta-MSH, gamma-MSH, CLIP (corticotropin-like intermediary peptide), Lipotropin-beta, Lipotropin-gamma, beta-endorphin and Met-enkephalin. ACTH is also produced by cells of immune system (T-cells, B-cells, and macrophages) in response to stimuli associated with stress. Anti-ACTH is a useful marker in classification of pituitary tumors and the study of pituitary disease. It reacts with ACTH-producing cells (corticotrophs). It also may react with other tumors (e.g. some small cell carcinomas of the lung) causing paraneoplastic syndromes by secreting ACTH.

## **Product Info**

**Amount:** 20 μg / 100 μg

Content: 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS

with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

**Storage condition :** Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

is stable for 24 months. Non-hazardous.

## **Application Note**

ELISA (For coating, order Ab without BSA)

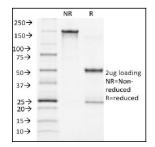


Fig. 1: SDS-PAGE Analysis Purified ACTH Monoclonal Antibody (CLIP/1418). Confirmation of Integrity and Purity of Antibody.