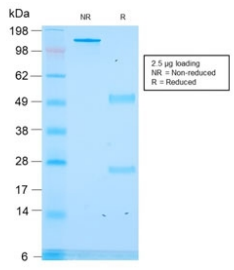
Recombinant CLIP Antibody / ACTH [clone rCLIP/1418] (V8017)

Catalog No.	Formulation	Size
V8017-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8017-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8017SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rCLIP/1418
Purity	Protein G affinity chromatography
UniProt	P01189
Applications	ELISA (order BSA-free format for coating)
Limitations	This recombinant CLIP antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free recombinant CLIP antibody (clone rCLIP/1418) as confirmation of integrity and purity.

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 through 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.

Application Notes

Optimal dilution of the recombinant CLIP antibody should be determined by the researcher.

Immunogen

Amino acids 25-39 (NGAEDESAEAFPLEF) from human ACTH were used as the immunogen for this recombinant CLIP antibody.

Storage

Store the recombinant CLIP antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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