

Mouse anti-ACTH, clone 57 (Monoclonal)

Clone no. 57 (BGN/1388/66)

MONOSAN

Product name	Mouse anti-ACTH, clone 57 (Monoclonal)
Host	Mouse
Applications	IHC-P,ELISA,IF
Species reactivity	human, rat
Conjugate	Purified
Immunogen	Synthetic peptide corresponding to the amino acids 1 - 24 (SYSMEHFRWGKPVGKKRRPVKVYP) of the human ACTH conjugated to Keyhole
Isotype	IgG1
Clonality	Monoclonal
Clone number	57 (BGN/1388/66)
Size	1 mg
Concentration	1.0mg/ml
Format	-
Storage buffer	PBS with 0.09% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

Mouse anti Human ACTH antibody (Clone 57, BGN/1388/66) recognizes 1-24 ACTH (Synacthen) which, as a synthetic analogue of naturally-occurring Adrenocorticotrophic Hormone, can be used to measure adrenal reserve and for the diagnosis of adrenal insufficiency by acute adrenocortical stimulation.

ACTH, released from the anterior pituitary gland in response to corticotropin-releasing hormone from the hypothalamus, acts on the adrenal cortex to stimulate the production of corticosteroids such as cortisol, involved in the response to stress. Studies have shown that the administration of 1-24 ACTH increases blood pressure, believed to be attributed to an increase in ACTH-stimulated cortisol secretion, in association with increased cardiac output.

Mouse anti Human ACTH antibody does not recognize 17-39 ACTH (CLIP). It does cross-reacts with rat N-terminal ACTH.

References

1. -
2. -
3. -
4. -
5. -

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