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## Product Datasheet

### ACTH (Adrenocorticotrophic Hormone)(57), 1mg/mL, Mouse BOT-BNUM0139-50

|                            |                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | ACTH (Adrenocorticotrophic Hormone)(57), 1mg/mL, Mouse                                                                                                                                                                                                        |
| Biozol Catalog Number      | BOT-BNUM0139-50                                                                                                                                                                                                                                               |
| Supplier Catalog Number    | BNUM0139-50                                                                                                                                                                                                                                                   |
| Alternative Catalog Number | BOT-BNUM0139-50-50UL                                                                                                                                                                                                                                          |
| Manufacturer               | Biotium                                                                                                                                                                                                                                                       |
| Host                       | Mouse                                                                                                                                                                                                                                                         |
| Category                   | Antikörper                                                                                                                                                                                                                                                    |
| Application                | IHC                                                                                                                                                                                                                                                           |
| Species Reactivity         | Human, Mouse, Rat                                                                                                                                                                                                                                             |
| Immunogen                  | N-terminal fragment of human ACTH conjugated to KLH                                                                                                                                                                                                           |
| Product Description        | ACTH (same as Corticotropin) is a 39 amino acid active peptide produced by the anterior pituitary. This MAb is specific to Synacthen (aa1-24 of ACTH), does not react with CLIP (aa17-39 of ACTH). POMC (pro-opiomelanocortin or corticotropin-lipotropin)... |
| Concentration              | 1 mg/mL                                                                                                                                                                                                                                                       |
| Molecular Weight           | ACTH is ~5 kDa, and the POMC precursor is ~30 kDa. The molecular weight of POMC depends upon isoform variation and post-translational modifications.                                                                                                          |
| UniProt                    | <a href="#">P01189</a>                                                                                                                                                                                                                                        |
| Buffer                     | PBS, no BSA, no azide                                                                                                                                                                                                                                         |

| Source            | Animal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes | <p>Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody</p> <p>Immunofluorescence: 0.5-1 ug/mL</p> <p>Immunohistology (formalin) Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes</p> <p>Flow Cytometry 0.5-1 ug/million cells/0.1 mL</p> <p>ELISA For coating, order Ab without BSA</p> <p>Predicted to show broad species reactivity</p> <p>Optimal dilution for a specific application should be determined by user</p> |