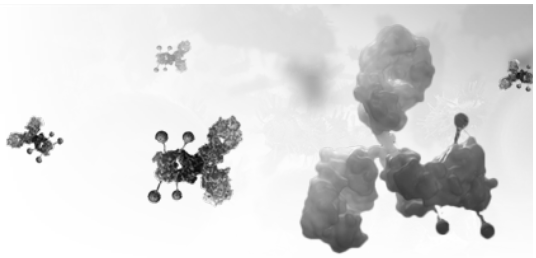

# Mouse Anti-Human Copeptin(C-term) monoclonal antibody, clone 5915 (CABT-L1118)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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| **Product Overview** | Monoclonal mouse antibody, cultured in vitro under conditions free from animalderived components |
| **Antigen Description** | Copeptin is a 39-amino acid glycopeptide, cleaved from the C-terminus of preprovasopressin (pre-proAVP). It has been suggested as a biomarker in diagnosis and prognosis of several diseases, such as acute myocardial infarction, heart failure, hyponatremia, and sepsis. |
| **Target** | Human copeptin |
| **Immunogen** | Copeptin |
| **Isotype** | IgG1 |
| **Source/Host** | Mouse |
| **Species Reactivity** | Human |
| **Clone** | 5915 |
| **Purification** | ≥ 95 % |
| **Conjugate** | Unconjugated |
| **Applications** | ELISA |
| **Epitope** | Epitope is located within the sequence QLAGAPEPFEPAQPDAY in the C-terminal part of copeptin |
| **Format** | Liquid |

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| **Concentration** | 5.0 mg/ml (+/- 10 %) |
| **Size** | 1 mg |
| **Buffer** | 50 mM Na-citrate, pH 6.0, 0.9 % NaCl |
| **Preservative** | 0.095% Sodium Azide |
| **Storage** | Unspecified, storage at 2–8 °C. For long term storage, store at -20°C to -70°C. |

# BACKGROUND

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| **Introduction** | Copeptin is a 39 amino acid glycosylated peptide that is a proteolytic product derived from a precursor which also contains Vasopressin and Neurophysin 2 peptides. The precursor protein is synthesized and cleaved in the hypothalamus before transport to the pituitary for storage and release. Copeptin is secreted in equimolar amounts with Vasopressin. It is more stable than Vasopressin and serves as a surrogate indicator of Vasopressin release. Vasopressin plays a major role in blood pressure regulation through control of water retention in the kidney and vascular tone. Serum levels of Copeptin are associated with metabolic syndrome, insulin resistance, sepsis, and heart dysfunction following myocardial infarction. Human Copeptin shares 79% sequence identity with mouse and rat Copeptin. |
| **Keywords** | CT-proAVP;Copeptin |

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