

PRODUCT SPECIFICATIONS

Name	Anti-h Copeptin 4804 SPTN-5
Specificity	Antibody recognizes human copeptin
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components
Product code	100649
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
Shelf life and storage	Unspecified, storage at 2-8 °C
Analyte description	Copeptin is a 39-amino acid glycopeptide, cleaved from the C-terminus of pre-provasopressin (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.

PARAMETERS TESTED ON EACH LOT

Product appearance	Liquid, may turn slightly opaque during storage
Product concentration	5.0 mg/ml (+/- 10 %)
Immunoreactivity	80-120 % compared to the reference sample in an FIA test
IEF Profile	7.2 - 7.8
Purity	≥ 95 %

PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

Subclass	IgG ₁
Association rate constant	Not Determined (N/D)
Dissociation rate constant	N/D
Affinity constant	N/D
Determination method	-
Determination antigen	-

Legal disclaimer

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Cross-reactivities	N/D	
Epitope	Epitope is located within the sequence QLAGAPEPFEPAPDAY in the C-terminal part of copeptin	
Pair recommendations	CAPTURE ANTIBODY 4804 4802, 4801	DETECTION ANTIBODY 4801, 4802 4804
	Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.	
Product stability	TEMPERATURE, TIME -70 °C, 21 days -20 °C, 21 days +4 °C, 21 days +35 °C, 21 days +45 °C, 3 days +45 °C, 7 days	RESULT OK Reduced antigen binding OK OK OK Reduced antigen binding
	Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2-8 °C in the product buffer.	
Miscellaneous	-	
References	-	

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