

## Anti-h Copeptin 4804 SPTN-5

### Product overview

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<b>Catalog number</b>	100649
<b>Specificity</b>	Antibody recognizes human copeptin
<b>Description</b>	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
<b>Product buffer solution</b>	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative
<b>Shelf life and storage</b>	Unspecified, storage at 2–8 °C
<b>Subclass</b>	IgG <sub>1</sub>
<b>Analyte description</b>	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

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

### Kinetic parameters

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<b>Association rate constant</b>	1.0 x 10 <sup>5</sup> 1/Ms
<b>Dissociation rate constant</b>	Not applicable (N/A)
<b>Affinity constant</b>	N/A
<b>Determination method</b>	BLI (Octet RED96e)
<b>Determination antigen</b>	Synthetic Copeptin peptide aa148-164 (GenScript)



#### Legal disclaimer

**Cross-reactivities** N/D

**Epitope** Epitope is located within the sequence QLAGAPEPFEPAPQPDAY in the C-terminal part of copeptin.

**Pair recommendations**

		DETECTION			
		4801	4802	4804	4806
CAPTURE	4801	-	-	+	+
	4802	-	-	+	+
	4804	+	+	-	-
	4806	+	+	-	-

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.

**Platforms tested** FIA

**Antigens tested** N/D

TEMPERATURE, TIME	RESULT
-70 °C, 21 days	OK
-20 °C, 21 days	Reduced immunoreactivity
+4 °C, 21 days	OK
+35 °C, 21 days	OK
+45 °C, 3 days	OK
+45 °C, 7 days	Reduced immunoreactivity

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** -



**Legal disclaimer**