

Anti-h PCT NA000203 SPTN-5

Product overview

Catalog number	C-10-0010
Specificity	Antibody recognizes human N-terminal procalcitonin
Description	Recombinant chimeric antibody containing variable region from mouse IgG and constant region from human IgG1, cultured in vitro under conditions free from animal-derived components.
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
Subclass	human IgG ₁
Analyte description	Procalcitonin (PCT) is a precursor protein of the hormone calcitonin, produced by the thyroid gland. It is a 116 amino acid protein that is cleaved intracellularly to form three peptides: N-terminal procalcitonin, calcitonin, and katalcalcin. In healthy individuals, only the calcitonin polypeptide is secreted into the bloodstream, and PCT serum levels are very low. However, in patients with systemic infections, and especially sepsis, serum PCT levels rise rapidly.

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 ELISA test
IEF Profile	To Be Determined (TBD)
Purity	≥ 95 %

Kinetic parameters

Association rate constant	TBD
Dissociation rate constant	TBD
Affinity constant	TBD
Determination method	-
Determination antigen	-



Medix Biochemica China

上海劭迪克斯生物化学有限公司

上海市闵行区浦江绿洲环路10号6幢11层

电话: 021 68119180, 68119181, 68119105

邮箱: medixchina@medixbiochemica.com

网址: www.cnmedixbiochemica.com

Cross-reactivities	-													
Epitope	N-terminal procalcitonin													
Pair recommendations	-													
Platforms tested	ELISA, CLIA													
Antigens tested	-													
Product stability	<table><thead><tr><th>TEMPERATURE, TIME</th><th>RESULT</th></tr></thead><tbody><tr><td>-70 °C, 21 days</td><td>TBD</td></tr><tr><td>-20 °C, 21 days</td><td>TBD</td></tr><tr><td>+4 °C, 21 days</td><td>TBD</td></tr><tr><td>+35 °C, 21 days</td><td>TBD</td></tr><tr><td>+45 °C, 7 days</td><td>TBD</td></tr></tbody></table>	TEMPERATURE, TIME	RESULT	-70 °C, 21 days	TBD	-20 °C, 21 days	TBD	+4 °C, 21 days	TBD	+35 °C, 21 days	TBD	+45 °C, 7 days	TBD	
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	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	-													

