

Anti-h Ang I NA001408 SPTN-5

Product overview

Catalog number	C-10-0041
Specificity	Antibody recognizes human Ang I (Angiotensin I)
Description	Recombinant chimeric antibody containing variable region from mouse IgG and constant region from human IgG ₁ , cultured in vitro under conditions free from animal-derived components.
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.1% ProClin™ 300 as a preservative
Shelf life and storage	Unspecified, storage at 2–8 °C
Subclass	Human IgG ₁
Analyte description	Angiotensins are a class of peptide substances that have strong vasoconstrictive effects and stimulate the secretion of aldosterone by the adrenal cortex, participating in the regulation of blood pressure and body fluids. As part of the renin angiotensin aldosterone system (RAAS system), angiotensin I was converted by Renin from angiotensinogen and it has no biological activity at normal plasma concentrations. Angiotensin I can stimulate the secretion of adrenaline in the adrenal medulla, but its direct effect on constricting blood vessels is not significant; However, detecting the level of angiotensin I in the blood plays an important role in the diagnosis and treatment of hypertension related diseases.

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
IEF Profile	N/D
Purity	≥ 95 %

Kinetic parameters

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



Cross-reactivities	-																
Epitope	N/D																
Pair recommendations	-																
Platforms tested	ELISA, CLIA																
Antigens tested	-																
Product stability	<table><tr><th>TEMPERATURE, TIME</th><th>RESULT</th></tr><tr><td>-70 °C, 21 days</td><td>OK</td></tr><tr><td>-20 °C, 21 days</td><td>OK</td></tr><tr><td>+4 °C, 21 days</td><td>OK</td></tr><tr><td>+35 °C, 7 days</td><td>OK</td></tr><tr><td>+35 °C, 21 days</td><td>Concentration reduction.</td></tr><tr><td>+45 °C, 3 days</td><td>OK</td></tr><tr><td>+45 °C, 7 days</td><td>Failed due to reduced concentration and antigen binding.</td></tr></table> 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.	TEMPERATURE, TIME	RESULT	-70 °C, 21 days	OK	-20 °C, 21 days	OK	+4 °C, 21 days	OK	+35 °C, 7 days	OK	+35 °C, 21 days	Concentration reduction.	+45 °C, 3 days	OK	+45 °C, 7 days	Failed due to reduced concentration and antigen binding.
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Miscellaneous	-																
References	-																

