Medix Biochemica

Product specification
ANTIBODY
2023-12-07

Anti-h BNP 11908 SPTN-5

Product overview

Catalog number	100973
Specificity	Antibody recognizes human B-type natriuretic peptide
Description	Monoclonal mouse antibody, 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	IgG_1
Analyte description	B-type natriuretic peptide (BNP) is a cardiac hormone released by the heart in response to ventricular myocardium wall stress. In patients with heart failure, BNP levels are elevated and assessed as important measures of cardiac function and diagnosis of heart failure.

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	6.1–6.5
Purity	≥ 95 %

Kinetic parameters

Association rate constant	1.1 x 10^6 1/Ms
Dissociation rate constant	Does not dissociate under conditions used.
Affinity constant	N/A (Not applicable)
Determination method	BLI (Octet RED96e)
Determination antigen	Synthetic BNP, Proteogenix

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Cross-reactivities

Does not recognize ANP or CNP.

Epitope

Amino acid region 10–21.

Pair recommendations

		DETECTION		
		11904	11906	11908
CAPTURE	11904	-	+	+
	11906	+	-	-
	11908	+	-	-

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

Synthetic Brain Natriuretic Peptide-32 (BNP), Medix Biochemica 129-10.

Product stability

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

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

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References

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