

Product specifications

| | |
|-------------------------|--|
| Name | Anti-h NT-proBNP 1312 SPTN-5 |
| Specificity | Antibody recognizes human N-terminal pro-B-type natriuretic peptide |
| Description | Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components |
| Product code | 100717 |
| 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 | The plasma concentrations of both the N-terminal fragment of Pro-B-type natriuretic peptide (NT-proBNP) and prohormone of brain natriuretic peptide (proBNP) are significantly increased in patients with asymptomatic and symptomatic left ventricular dysfunction. |

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 | 6.6–7.3 |
| Purity | ≥ 95 % |

Kinetic parameters

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

Legal disclaimer



Cross-reactivities Does not recognize canine NT-proBNP (HyTest, 8CNT9).

Epitope Amino acids 59-70 (EGIRGHRKMVLY)

Pair recommendations

| | | DETECTION | | | | | | |
|---------|------------------|-----------------|-----------------|------|------|------|------|------|
| | | 1306/ RC1306 | 1307/ RC1307 | 1308 | 1309 | 1310 | 1311 | 1312 |
| CAPTURE | 1306 / RC1306 | - | + | - | + | + | + | + |
| | 1307/ RC1307 | + | - | + | + | + | + | + |
| | 1308 | - | + | - | + | + | + | + |
| | 1309 | + | + | + | - | - | - | - |
| | 1310 | + | + | + | - | - | - | - |
| | 1311 | + | + | + | - | - | - | - |
| | 1312 | + | + | + | - | - | - | - |

Following pairs are especially recommended for the below mentioned assays:

CLIA: 1306 (capture) – 1309 (detection), 1306 – 1311, 1306 – 1312, 1308 – 1309, 1308 – 1310, 1308 – 1311 and 1308 – 1312

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, LF, CLIA

Antigens tested Recombinant NT-proBNP antigen, Medix Biochemica 610090 and recombinant proBNP antigen Medix Biochemica 710017, 710042 and 710043.

| 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, 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 -

