

Product specifications

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| Name | Anti-h PIVKA-II 12102 SPTN-5 |
| Specificity | Antibody recognizes human PIVKA-II (Protein Induced Vitamin K absence or Antagonist-II) |
| Description | Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components. |
| Product code | 100871 |
| 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 | Protein induced by vitamin K absence or antagonist-II (PIVKA-II), also known as des- γ -carboxy prothrombin (DCP), is an abnormal form of prothrombin. In patients with hepatocellular carcinoma (HCC), γ -carboxylation of prothrombin is impaired leading to formation of PIVKA-II, which can be used to assess the surveillance, diagnosis and management of HCC. |

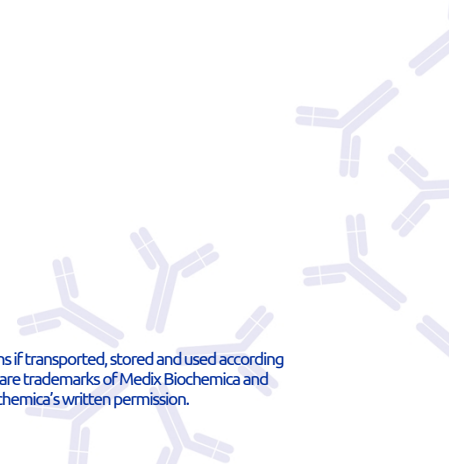
Parameters tested on each lot

| | |
|-----------------------|--|
| 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 | 6.3–7.1 |
| 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 Prothrombin.

Epitope Amino acid region 11-28 (GNLERECVEETCSYEEAF)

Pair recommendations

| | | DETECTION | | |
|---------|-------|-----------|-------|-------|
| | | 12102 | 12103 | 12106 |
| CAPTURE | 12102 | - | - | + |
| | 12103 | + | - | + |
| | 12106 | + | + | - |

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, CLIA

Antigens tested N/D

| 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 -

References -

