

## Anti-h GP73 NA001706 SPTN-5

### Product overview

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog number          | C-10-0082                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Specificity             | Antibody recognizes human golgi protein 73 (GP73)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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, 0.1% ProClin™ 300 as a preservative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Shelf life and storage  | Unspecified, storage at 2–8 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Subclass                | Mouse IgG <sub>1</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Analyte description     | GP73 is a type II Golgi transmembrane protein with a molecular weight of 73 KDa mainly expressed in epithelial cells. The expression of GP73 in normal liver tissue is low. But, serum GP73 detection has important clinical value for the early diagnosis of HCC and can be used as a biomarker for many other liver diseases, e.g. hepatitis C virus infection, hepatitis B virus- related cirrhosis and HCC, alcoholic hepatitis and autoimmune hepatitis, etc. GP73 can also be used in conjunction with methods such as liver stiffness measurement to evaluate the degree of liver fibrosis and sclerosis. |

### 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 a CLIA test |
| IEF Profile           | Not Determined (N/D)                                    |
| Purity                | ≥ 95%                                                   |

### Kinetic parameters

|                            |     |
|----------------------------|-----|
| Association rate constant  | N/D |
| Dissociation rate constant | N/D |
| Affinity constant          | N/D |
| Determination method       | -   |
| Determination antigen      | -   |



**Cross-reactivities** -

**Epitope** N/D

**Pair recommendations**

|         |          | DETECTION |          |          |          |
|---------|----------|-----------|----------|----------|----------|
|         |          | NA001703  | NA001704 | NA001705 | NA001706 |
| CAPTURE | NA001703 | -         | +        | +        | +        |
|         | NA001704 | +         | -        | +        | +        |
|         | NA001705 | +         | +        | -        | -        |
|         | NA001706 | +         | +        | -        | -        |

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** **ELISA, CLIA**

**Antigens tested** -

| 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** -

