PRODUCT SPECIFICATIONS

Name
Anti-h Cystatin C 10002 SPTN-5

Specificity
Antibody recognizes human Cystatin C

Description
Monoclonal mouse antibody, cultured \textit{in vitro} under conditions free from animal-derived components

Product code
100690

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

Analyte description
Cystatin C is an emerging renal biomarker. It is used for the diagnosis of chronic kidney disease. Cystatin C has also been associated with an increased risk of cardiovascular disease and 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
6.2 – 7.3

Purity
≥ 95 %

PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

Subclass
IgG$_{2b}$

Association rate constant
Not Determined (N/D)

Dissociation rate constant
N/D

Affinity constant
N/D

Determination method
-

Determination antigen
-
**Cross-reactivities**

No cross-reactivity against recombinant Cystatin D, F, S, SA, or SN.

**Epitope**

N/D

**Pair recommendations**

<table>
<thead>
<tr>
<th>CAPTURE ANTIBODY</th>
<th>DETECTION ANTIBODY</th>
</tr>
</thead>
<tbody>
<tr>
<td>10002</td>
<td>10003, 10004, 10005</td>
</tr>
<tr>
<td>10004, 10005</td>
<td>10002</td>
</tr>
</tbody>
</table>

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.

**Product stability**

<table>
<thead>
<tr>
<th>TEMPERATURE, TIME</th>
<th>RESULT</th>
</tr>
</thead>
<tbody>
<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, 21 days</td>
<td>OK</td>
</tr>
<tr>
<td>+45 °C, 7 days</td>
<td>OK</td>
</tr>
</tbody>
</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.

**Miscellaneous**

Reacts with recombinant Cystatin C antigen, Medix Biochemica, 610100.

**References**

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