PRODUCT SPECIFICATIONS

Name Anti-h Cystatin C 10005 SPTN-5
Specificity Antibody recognizes human Cystatin C
Description Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components
Product code 100659
Product buffer solution 50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN₃ 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 6.4 – 6.8
Purity ≥ 95 %

PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

Subclass IgG₁
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>10005</td>
<td>10001, 10002</td>
</tr>
<tr>
<td>10001, 10002</td>
<td>10005</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, 3 days</td>
<td>OK</td>
</tr>
<tr>
<td>+45 °C, 7 days</td>
<td>Minor charge alterations.</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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