PRODUCT SPECIFICATIONS

Name: Anti-h Cystatin C 10003 SPTN-5
Specificity: Antibody recognizes human Cystatin C
Description: Monoclonal mouse antibody, cultured *in vitro* under conditions free from animal-derived components
Product code: 100703
Product buffer solution: 50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN\textsubscript{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 – 6.7
Purity: ≥ 95 %

PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

Subclass: IgG\textsubscript{1}
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>10001, 10002</td>
<td>10003</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, 7 days</td>
<td>OK</td>
</tr>
<tr>
<td>+35 °C, 21 days</td>
<td>Reduced antigen binding and charge alterations</td>
</tr>
<tr>
<td>+45 °C, 3 days</td>
<td>OK</td>
</tr>
<tr>
<td>+45 °C, 7 days</td>
<td>Reduced antigen binding and 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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