PRODUCT SPECIFICATIONS

Name
Anti-h Inhibin alpha 9401 SPTN-5

Specificity
Antibody recognizes human inhibin alpha subunit

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

Product code
100711

Product buffer solution
50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN₃ as a preservative

Shelf life and storage
12 months from manufacturing at 2–8 °C

Analyte description
Inhibin alpha can form dimers either with inhibin beta A or inhibin beta B. These dimers are called inhibin A, or inhibin B, respectively. Both inhibin A and inhibin B inhibit FSH secretion. Inhibin A tests can be used in the diagnostics of Trisomy 21 and Trisomy 18. Inhibin B is a marker of male infertility.

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 – 7.2

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

N/D

Epitope

Residues 233–264 (STPLMSWPSPSALRLLQRPPEEAHANCHR)

Pair recommendations

<table>
<thead>
<tr>
<th>CAPTURE ANTIBODY</th>
<th>DETECTION ANTIBODY</th>
</tr>
</thead>
<tbody>
<tr>
<td>9401</td>
<td>9504</td>
</tr>
<tr>
<td>9504</td>
<td>9401</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

-

References

-