PRODUCT SPECIFICATIONS

Name
Anti-h PRL 5602 SP-5

Specificity
Antibody recognizes human prolactin (luteotropic hormone, or luteotropin)

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

Product code
100360

Product buffer solution
0.9 % NaCl, 0.095 % NaN₃ as a preservative

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

Analyte description
Prolactin (PRL) or luteotropic hormone (LTH) is a peptide hormone primarily associated with lactation. Prolactin is usually measured when checking for pituitary tumors and the cause of: breast milk production that is not related to childbirth (galactorrhea), impotence, infertility, irregular menstrual periods.

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
5.7 – 6.7

Purity
≥ 95 %

PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

Subclass
IgG₁

Association rate constant
Not Determined (N/D)

Dissociation rate constant
N/D

Affinity constant
9.5 x 10⁹ l/mol

Determination method
Radioimmunoassay (RIA)

Determination antigen
PRL, UCB -Bioproducts (Cat i117/001, Lot 003)
Cross-reactivities
GH < 0.5 % (Boehringer, Cat 252964, Lot 1222303/Jul 84)
PL < 0.05 % (UCB-Bioproducts, Cat i020, Lot 007)

Epitope
N/D

Pair recommendations
CAPTURE ANTIBODY
5601
DETECTION ANTIBODY
5602

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>N/D</td>
</tr>
<tr>
<td>-20 °C, 21 days</td>
<td>N/D</td>
</tr>
<tr>
<td>+4 °C, 21 days</td>
<td>N/D</td>
</tr>
<tr>
<td>+35 °C, 7 days</td>
<td>N/D</td>
</tr>
<tr>
<td>+35 °C, 21 days</td>
<td>N/D</td>
</tr>
<tr>
<td>+45 °C, 3 days</td>
<td>N/D</td>
</tr>
<tr>
<td>+45 °C, 7 days</td>
<td>N/D</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
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References
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