PRODUCT SPECIFICATIONS

Name
Anti–hCoV OC43 3505 SPTN-5

Specificity
Antibody recognizes human coronavirus OC43 nucleoprotein

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

Product code
100532

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

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

Analyte description
Human coronavirus OC43 (hCoV-OC43) is an enveloped, positive-stranded RNA virus. HCoV-OC43 causes a significant fraction of upper respiratory tract infections, especially common colds.

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
6.6 – 7.1

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

Does not cross-react with human coronaviruses 229E, NL63 or HKU1. Others not tested.

Epitope

N/D

Pair recommendations

<table>
<thead>
<tr>
<th>CAPTURE ANTIBODY</th>
<th>DETECTION ANTIBODY</th>
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<tbody>
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</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>
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</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>
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<tr>
<td>+45 °C, 7 days</td>
<td>OK</td>
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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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