

Product specifications

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| Name | Anti-hCoV OC43 3505 SPTN-5 |
| Specificity | Antibody recognizes human coronaviruses OC43 nucleoprotein |
| Description | Monoclonal mouse antibody, cultured <i>in vitro</i> 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 % NaN ₃ as a preservative |
| Shelf life and storage | 18 months from manufacturing at 2–8 °C |
| Subclass | IgG ₁ |
| 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 | 6.3–7.3 |
| Purity | ≥ 95 % |

Kinetic parameters

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|----------------------------|----------------------|
| Association rate constant | Not Determined (N/D) |
| Dissociation rate constant | N/D |
| Affinity constant | N/D |
| Determination method | - |
| Determination antigen | - |



Cross-reactivities Does not recognize human coronaviruses 229E, NL63 or HKU1.
Does not recognize recombinant SARS-CoV or SARS-CoV-2 nucleoprotein.
Others not tested.

Epitope N/D

Pair recommendations N/D

Platforms tested FIA

Antigens tested Recombinant hCoV OC43 N antigen, Medix Biochemica 610040.

| Product stability | TEMPERATURE, TIME | RESULT |
|-------------------|-------------------|--------|
| | -70 °C, 21 days | OK |
| | -20 °C, 21 days | OK |
| | +4 °C, 21 days | OK |
| | +35 °C, 21 days | OK |
| | +45 °C, 7 days | OK |

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 -

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