

PRODUCT SPECIFICATIONS

Date: 2015-09-29

PRODUCT NAME	:	Anti-h CoV OC43 3504 SPTN-5
PRODUCT SPECIFICITY	:	Human Coronavirus OC43
PRODUCT CODE	:	100531
PRODUCT BUFFER	:	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.1 % NaN ₃ as a preservative
SHELF LIFE AND STORAGE	:	Shelf life unspecified, storage at 2-8 °C
ANALYTE DESCRIPTION	:	Human coronavirus OC43 is an enveloped, positive-sense, single-stranded RNA virus species in the Betacoronavirus genus, of the subfamily Coronavirinae, in the family Coronaviridae, of the order Nidovirales. The human coronavirus HCoV-OC43 causes a significant fraction of upper respiratory tract infections.

PARAMETERS TESTED FROM EACH LOT

PRODUCT APPEARANCE	:	Clear liquid, may turn opaque during storage
PRODUCT CONCENTRATION	:	5.0 mg/ml (+/- 10 %)
PRODUCT ACTIVITY	:	80 – 120 % compared to reference in an IFMA-test
IEF-RANGE	:	7.1 - 7.9
PURITY	:	≥ 95 %

PARAMETERS DETERMINED ONLY DURING PRODUCT R&D PHASE

CLASS AND SUBCLASS	:	IgG1
ASSOCIATION CONSTANT	:	N/D
DISSOCIATION CONSTANT	:	N/D
AFFINITY CONSTANT	:	N/D
DETERMINATION METHOD	:	-
ANTIGEN	:	-
CROSS-REACTIVITIES	:	N/D

EPITOPE : N/D

EPITOPE GROUP : N/D

Two antibodies binding to the same, or closely located epitopes, belong to the same group and hence cannot be used as a pair in a sandwich assay. Epitope group numbering does not give any detailed information where the epitope is located.

PAIR RECOMMENDATIONS :

SOLID	LABEL
-	-

Please note that pair recommendations are based on results obtained in our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations should be taken only as a directive.

PRODUCT STABILITY :

TEMPERATURE, DAYS	RESULT
-70 °C, 21 days	OK
-20 °C, 21 days	OK
+4 °C, 21 days	OK
+35 °C, 21 days	Failed due to decreased immunoreactivity
+45 °C, 7 days	Failed due to decreased immunoreactivity

Please note that the shelf life given on page one is based on real time stability testing at +2-8 °C in the product buffer.

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. The maximum duration of the test is 21 days, except for the +45 °C only 7 days.

MISCELLANEOUS : -

REFERENCES : -

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