



DataSheet

CATALOGUE #: 3CV4

PRODUCT NAME: Monoclonal anti-SARS-CoV-2 Nucleoprotein

Recombinant MAbs: C706, C715

MAbs *in vitro*: C518, C524, C525, C527

MAbs *in vivo*: NP1503, NP1510, NP1516, NP1517, NP1526, NP1528, NP1529

R&D samples: NP1508, NP1632

Recombinant rabbit full-sized MAbs expressed in mammalian cells (C706, C715)

Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with recombinant SARS-CoV-2 Nucleoprotein (C518, C524, C525, C527, NP1503, NP1508, NP1510, NP1516, NP1517, NP1526, NP1528, NP1529, NP1632).

Specificity: SARS-CoV-2 Nucleoprotein

MAb isotypes: **IgG** for C706, C715

IgG1 for C518, C524, C525, C527, NP1503, NP1508, NP1510, NP1516, NP1517, NP1526, NP1528, NP1529

IgG2a for NP1632

Purification: Protein A chromatography for C706, C715, C518, C524, C525, C527, NP1503, NP1508, NP1510, NP1516, NP1517, NP1526, NP1528, NP1529

Ion exchange chromatography for NP1632

Presentation: PBS, pH 7.4, 0.09 % sodium azide (NaN₃) for C706, C715, C518, C524, C525, C527, NP1503, NP1508, NP1510, NP1516, NP1517, NP1526, NP1528, NP1529

0.15 M NaCl, 10 mM Tris, pH 7.5, 0.05 % sodium azide (NaN₃) for NP1632

Storage: +4 °C (+2 ... +8 °C allowed)

Material safety note: This product is sold **for research or further manufacturing use only**. Standard Laboratory Practices should be followed when handling this material.

Product contains sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.

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Applications: Immunoassays

Preliminary pair recommendations in sandwich immunoassays (capture-detection):

Detection antibody conjugated with HRP:	
Capture	Detection
C524	C706
C518	C524
C524	C527
NP1510	NP1517
NP1516	C525
C527	NP1632
C715	NP1632
NP1632	C706
C715	C706
C527	C715
NP1516	NP1510
NP1529	NP1508
NP1529	C525

Detection antibody conjugated with biotin:	
Capture	Detection
C524	C706
C706	C518
C715	C518
PSN5*	C518
PSN5*	C524
NP1510	NP1517
NP1517	NP1503
NP1526	NP1528
C524	C527
C518	C706
C524	C518
NP1529	C524
C524	NP1516
NP1529	C706

In lateral flow.

Capture	Detection
C715	C706
C706	C524
C706	C518
PSN5*	C518
PSN5*	C524
PSN5*	C706
C518	C706
C524	C706
C706	C715

* PSN5 in these recommendations refers to Cat.# PSN5 Polyclonal anti-SARS-CoV-2 Nucleoprotein.