

Anti-Influenza A virus (NP) 7317

Product overview

Catalog number	101032
Specificity	Antibody recognizes nucleoprotein of Influenza A virus
Description	Monoclonal antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
Shelf life and storage	4 years from manufacturing at 2–8 °C
Subclass	Mouse IgG ₁
Analyte description	Influenza A virus is an enveloped, negative-sense RNA virus of the Orthomyxoviridae family and is responsible for the majority of the severe seasonal influenza epidemics in humans. It is classified into subtypes based on differences in its hemagglutinin (H1–H16) and neuraminidase (N1–N9) surface proteins. Nucleoprotein (NP) is a highly conserved internal structural protein of the Influenza A virus.

Product appearance	Liquid
Product concentration	≥1.0 mg/ml
Immunoreactivity	80–120 % compared to the reference sample in an FIA test
Purity	≥ 90 %

Kinetic parameters

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



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Cross-reactivities	N/D	
Epitope	N/D	
Pair recommendations	N/D	
Platforms tested	N/D	
Antigens tested	N/D	
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, Charge alteration
	+45 °C, 7 days	OK, Charge alteration

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

This clone is originally identified as Product Code V1371 from ViroStat Inc.

Antibodies may show precipitation after prolonged storage or repeated vial opening. Any resulting precipitation can be removed by filtration through a 0.2 µm filter without affecting antibody activity.

Store antibodies at the temperature specified for the product. Antibodies are stable until the expiry date when stored unopened at the specified temperature. Repeated opening of the vial should be avoided. If the specified storage temperature is frozen (e.g. –20 °C), repeated freeze–thaw cycles should be avoided.

References

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