

12-8403: Anti-Influenza A, Nucleocapsid (Clone 703) Biotin

Clonality :	Monoclonal
Clone Name :	703
Application :	ELISA
Alternative Name :	Common flu NP, Influenza A virus NP, NP, Nucleocapsid protein, Nucleoprotein, Protein N, Seasonal Influenza A (H1N1) Nucleocapsid Protein
Isotype :	Human IgG1

Description

Specificity: Anti-Influenza A, Nucleocapsid (Clone 703) specifically targets an epitope on the Influenza A Nucleocapsid Protein
Antigen Distribution: The nucleocapsid protein is expressed in the internal nucleocapsid of Influenza A

Background: There are four types of Influenza (flu) viruses: type A, B, C, and D. Influenza A and B viruses are routinely spread in people and other mammals, while also known for seasonal flu epidemics each year. Influenza A is the genus Alphainfluenzavirus of the virus family Orthomyxoviridae. Influenza A is classified into two main protein subtypes, hemagglutinin (HA) and neuraminidase (NA), located on the surface of the virus. Breaking down the proteins further, there are 18 hemagglutinin subtypes and 11 different neuraminidase subtypes¹. Influenza A can be even further classified into specific clades (also known as groups) and sub-clades (also known as sub-groups) based on similarity of their HA/NA gene sequences¹. The Nucleocapsid protein or nucleoprotein (NP) of the influenza virus A negative-strand RNA's primary function is to encapsulate the virus genome for the purpose of RNA transcription, replication and packaging². Specifically, NP is the most abundant viral protein in infected cells², therefore the NP can be and has been used for anti-influenza drug development³. The NP of influenza A and B viruses share up to 38% of their amino acid sequence, indicating region functionality differences at the amino acid level⁴.

Product Info

Amount :	100 µg / 500 µg
Content :	Concentration:0.5 mg/ml Formulation: This Biotinylated antibody is formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.4, 1% BSA and 0.09% sodium azide as a preservative.
Storage condition :	This biotinylated antibody is stable when stored at 2-8°C. Do not freeze.