

# Anti-Influenza A Virus Detection Antibody

CATALOG NO.: A2080-100 (100 µg)

**BACKGROUND DESCRIPTION:** Influenza viruses are enveloped, negative sense single-stranded RNA viruses. These viruses belong to the family of *Orthomyxoviridae*. There are 4 types of Influenza viruses: A, B, C and Thogotovirus, of which, type A & B are clinically relevant to humans. Influenza A virus consists of two gene segments that encode pre-mRNAs, which upon alternative splicing, produces non-structural protein 1 (NS1) or nuclear export protein (NEP) and matrix M1 and proton channel M2 proteins. On the other hand, six other gene segments encode mRNAs that undergo translation to produce Nucleoprotein (NP), polymerase subunit PA, PB1/PB2, hemagglutinin (HA) and NA. Influenza A viruses are divided into several subtypes depending on the structure of glycoproteins HA and NA on the virion surface. There are 18 subtypes of HA and 11 subtypes of NA, of which, H1N1 and H3N2 are known to infect humans.

**ANTIBODY TYPE:** Monoclonal

**HOST/ISOTYPE:** Mouse/IgG1

**PURIFICATION:** Protein A purified

**FORM:** Liquid

**FORMULATION:** In 10 mM PBS, pH 7.2, 0.1% sodium azide

**SPECIFICITY:** Nucleoprotein

**CROSS-REACTIVITY:** Reactive with all Influenza A strains

**STORAGE CONDITIONS:** Short Term: 2-8°C. Long Term: -20°C. Avoid freeze/thaw cycles

**APPLICATIONS AND USAGE:** ELISA, Lateral Flow, IF

**Note:** This product is not for diagnostic purposes. It is the sole responsibility of the user to assume care, control and custody of the material, and ensure appropriate disposal, as per all regulations.

**RELATED PRODUCTS:**

Anti-SARS-CoV-2 Antibody (Clone# 6F10) (A2060)  
 Anti-SARS-CoV-2 Antibody (A2061)  
 Anti-MERS-CoV S1 Mouse IgG1 Antibody (A2065)  
 Anti-CoV-2 & SARS-CoV NP Mouse IgG1 Antibody (A2066)

**FOR RESEARCH USE ONLY! Not to be used on humans.**