

H5N1 Avian Influenza Support: Products and Services Catalog

Compound Screening | Neutralizing Antibody Detection | Pseudovirus Customization |
Vaccine Evaluation | Antibodies and Antigens

In response to the rapid mutation and cross-species transmission threats posed by the H5N1 influenza virus, timely scientific defense is crucial. Leveraging our leading virus research platform, we offer a comprehensive range of solutions centered around authentic and pseudovirus strains of H5N1. Our services include efficient screening of antiviral drugs, precise detection of neutralizing antibodies, and the development of safe and reliable pseudovirus models.

Core Services

Neutralizing Antibody Detection

- Neutralizing antibody titer measurement (PRNT, microneutralization assay);
- Functional evaluation of monoclonal/polyclonal antibodies (binding activity, cross-protection analysis).

Compound Screening

- Cell-based H5N1 inhibitor screening (targeting HA, NA, etc.).
- Toxicity testing & dose-response analysis (CC_{50}/EC_{50} calculation).

Pseudovirus Customization

- H5N1 pseudoviruses (luciferase/GFP reporter systems, compatible with various HA/NA subtypes).
(The information about the pseudovirus products is attached at the end of the document, please check.)

Vaccine Development Support

- Vaccine immunogenicity testing (ELISPOT, hemagglutination inhibition assay).
- Cross-protection analysis of animal sera.

The Most Commonly Used Strains

Strain	
H5N1	NIBRG-14 Strain (BSL2)
	A/Vietnam/1194/2004 Strain
	A/Chicken/SD007/2017 Strain
	More Isolates.....

Data Examples

◆ Neutralizing Antibody Detection

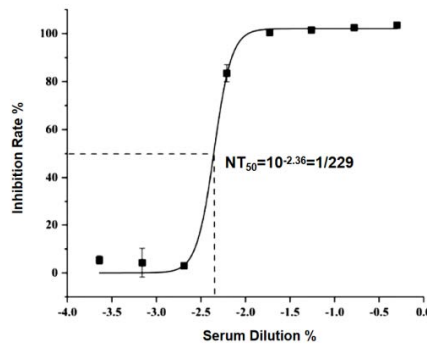


Figure 1. H5N1 pseudovirus neutralization inhibition curve.

After counting each well, the infection inhibition rate can be calculated. Based on the inhibition rate. The NT_{50} (50% Neutralization Titer) of the 1/10 diluted positive serum is 1:229. The undiluted positive serum $NT_{50} = 1:2,290$.

◆ Pseudovirus Validation

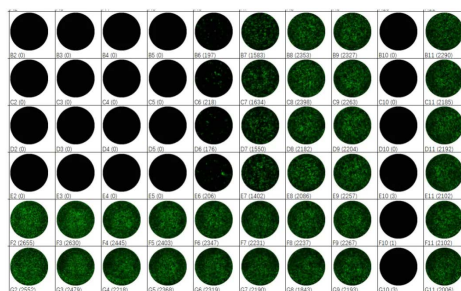


Figure 2. Pseudovirus validation.

Columns B/C: Positive Serum 1 (high-titer neutralizing antibodies); Columns D/E: Positive Serum 2 (medium-titer neutralizing antibodies); Columns F/G: Negative Serum (non-immune control).

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Ordering Information

Cat. No.	Product Name
PSVSD253 <small>Hot New</small>	Influenza A Virus HA/NA (H5N1, Strain Texas/37/2024) Pseudotyped VSV (GFP Reporter)
PSVSD253-2 <small>Hot New</small>	Influenza A Virus HA/NA (H5N1, Strain Texas/37/2024) Pseudotyped VSV (Luciferase Reporter)
PSVSD226 <small>Hot</small>	Influenza A Virus HA/NA (H5N1, Strain A/Thailand/Kan/353/2004) Pseudotyped Lentivirus (Luciferase Reporter)
PSVSD195	Influenza A Virus HA/NA (H5N1, Strain Vietnam/1203/2004) Pseudotyped Lentivirus (GFP Reporter)
PSVSD194	Influenza A Virus HA/NA (H5N1, Strain Vietnam/1203/2004) Pseudotyped Lentivirus (Luciferase Reporter)
PSVSD191	Influenza A Virus HA/NA (H5N1, Strain A/Indonesia/5/05) Pseudotyped Lentivirus (GFP Reporter)
PSVSD190	Influenza A Virus HA/NA (H5N1, Strain A/Indonesia/5/05) Pseudotyped Lentivirus (Luciferase Reporter)
PSVSD229	Influenza A Virus HA/NA (H5N1, Strain A/Thailand/Kan/353/2004) Pseudotyped Lentivirus (Luciferase Reporter)
PSVSD228	Influenza A Virus HA/NA (H5N1, Strain Vietnam/1203/2004) Pseudotyped VSV (Luciferase Reporter)
PSVSD251	Influenza A Virus HA/NA (H5N1, Strain A/Pelecanus/Peru/VFAR-140/2022) Pseudotyped Lentivirus (Luciferase Reporter)

[Click for more H5N1 Antibodies and Antigens.](#)

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