bs-2284R **[Primary Antibody]**

H5N1 Hemagglutinin Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

Target: H5N1 Hemagglutinin

Immunogen: KLH conjugated synthetic peptide derived from Hemagglutinin/Influenza A virus (H5N1): 200-300/568.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Influenza A virus is a major public health threat. Novel influenza virus strains caused by genetic drift and viral recombination emerge periodically to which humans have little or no immunity, resulting in devastating pandemics. Influenza A can exist in a variety of animals; however it is in birds that all subtypes can be found. These subtypes are classified based on the combination of the virus coat glycoproteins hemagglutinin (HA) and neuraminidase (NA) subtypes. During 1997, an H5N1 avian influenza virus was determined to be the cause of death in 6 of 18 infected patients in Hong Kong. There was some evidence of human to human spread of this virus, but it is thought that the transmission efficiency was fairly low. HA interacts with cell surface proteins containing oligosaccharides with terminal sialyl residues. Virus isolated from a human infected with the H5N1 strain in 1997 could bind to oligosaccharides from human as well as avian sources, indicating its species jumping ability. Influenza A Virus Hemagglutinin antibodies recognize the influenza hemagglutinin epitope, which has been used extensively as a general epitope tag in expression vectors. The extreme specificity of this antibody allows for unambiguous identification and quantitative analysis of the tagged protein.

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Influenza A virus H5N1)

Predicted MW.: 64 kDa

SELECTED CITATIONS

- **[IF=6.28]** Lee, Goeun, et al. "Oral immunization of haemaggulutinin H5 expressed in plant endoplasmic reticulum with adjuvant saponin protects mice against highly pathogenic avian influenza A virus infection." Plant Biotechnology Journal (2014). WB ;="". 25065685
- **[IF=3.637]** Keine Nishiyama. et al. Non-competitive fluorescence polarization immunoassay for detection of H5 avian influenza virus using a portable analyzer. 2021 Feb 05 Other ;. 33547481
- **[IF=1.076]** Lv et al. Production and immunogenicity of chimeric virus-like particles containing the spike glycoprotein of infectious bronchitis virus. (2014) J.Vet.Sc. 15:209-16 ICC ;. 24378590