

## NDV HN Rabbit pAb

Catalog Number: bs-42007R

Target Protein: NDV HN

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), ELISA (1:5000-10000)

Reactivity: Human, NDV

Predicted MW: 63 kDa

Subcellular Cell membrane

Locations:

Source: Recombinant NDV HN protein: 49-577/577.

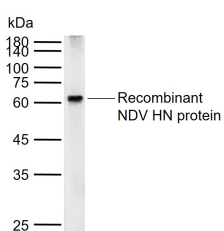
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

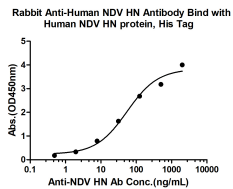
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** The entry of Newcastle disease virus (NDV), a prototype paramyxovirus, is directed by two virion glycoproteins, the hemagglutinin-neuraminidase (HN) protein and the fusion (F) protein. HN protein, the virus attachment protein, binds to sialic acid-containing receptors, and F protein mediates membrane fusion. In contrast to many viral fusion proteins, paramyxovirus F proteins do not require the acid pH of endosomes to activate fusion activity. As a consequence, infected cells expressing both attachment proteins and F proteins can fuse with adjacent cells to form multinuclear cells, or syncytia, a process that is assumed to mimic virus-cell fusion.

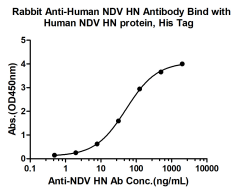
### VALIDATION IMAGES



Sample: Lane 1: Recombinant NDV HN protein, His Primary: Anti-NDV HN (bs-42007R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 63 kDa Observed band size: 61 kDa



Measured by its binding ability in a indirect ELISA. Immobilized Human NDV HN protein, His Tag (Cat. bs-42007P) at 2 µg/mL (100 µL/well) can bind Rabbit Anti-Human NDV HN Antibody, the EC50 is 54.90 ng/mL.



Measured by its binding ability in a indirect ELISA. Immobilized Human NDV HN protein, His Tag (Cat. bs-42007P) at 2 µg/mL (100 µL/well) can bind Rabbit Anti-Human NDV HN Antibody, the EC50 is 51.59 ng/mL.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=8.2] Jianzhong Wang. et al. Protection against genotype VII Newcastle disease virus by a mucosal subunit vaccination based on bacterium-like particles bearing the F or HN antigen. INT J BIOL MACROMOL. 2023 Jul;244:125293 WB ; Lactococcus lactis,Fall armyworm . 37315677