

Product Datasheet

Infectious Bronchitis Virus Antibody (IB95) - BSA Free NBP2-31102-0.2mg

Unit Size: 0.2 mg

Store at 4C. Do not freeze.

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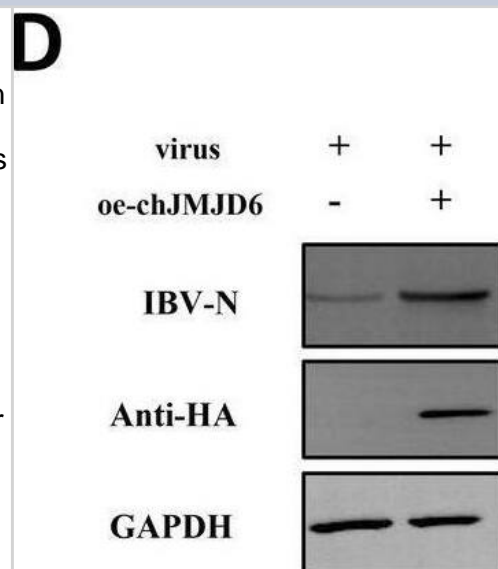
Product Information	
Unit Size	0.2 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	IB95
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein A purified
Buffer	PBS (pH 7.4)

Product Description	
Host	Mouse
Species	Virus
Specificity/Sensitivity	Nucleoprotein of IBV
Immunogen	Hybridoma clone has been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with semi-purified inactivated Infectious Bronchitis virus of Massachusetts type from infected chicken embryos.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA
Recommended Dilutions	Western Blot, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA
Application Notes	Immunodetection of IBV N-protein in Western Blotting; IB virus detection in sandwich-type immunoassay (capture). Use in ICC/IF reported in scientific literature (PMID:33472590)

Images

Investigating the regulatory function of chJMJD6 in IBV infection. A Quantitative analysis of chJMJD6 overexpression vector efficiency using indirect immunofluorescence. B Changes of chJMJD6 protein expression at different time points of IBV infection. C Time-course analysis of IBV replication upon chJMJD6 overexpression. D Protein expression analysis of IBV N protein following 36 h post-chJMJD6 overexpression. E The change in TCID50 of HD11 supernatant after infection with IBV following overexpression of chJMJD6; F–G Identification of critical chJMJD6 interference points through targeted siRNA interference screens; H Monitoring the effect of siRNA-mediated reduction of chJMJD6 expression on IBV-N mRNA levels at different time points post-infection. I Protein level assessment of IBV N by 36 hpi in siRNA-chJMJD6 knockdown samples. J The change in TCID50 of HD11 supernatant after infection with IBV following knockdown of chJMJD6 with siRNA. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/39501382>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Isham I, Abd-Elsalam R, Mahmoud M et al. Comparison of Infectious Bronchitis Virus (IBV) Pathogenesis and Host Responses in Young Male and Female Chickens Viruses 2023-11-22 [PMID: 38140526] (IHC-P)

Isham IM, Hassan MSH, Abd-Elsalam RM et al. Impact of Maternal Antibodies on Infectious Bronchitis Virus (IBV) Infection in Primary and Secondary Lymphoid Organs of Chickens Vaccines 2023-07-07 [PMID: 37515032] (IHC-P)

Hassan MSH, Abd-Elsalam RM, Ratcliff N et al. The impact of the experimental route of challenge on the host responses and pathogenesis of the Canadian Delmarva (DMV/1639) infectious bronchitis virus infection in laying chickens Veterinary immunology and immunopathology 2023-06-22 [PMID: 37364440] (IHC-P)

Li H, Ni R, Wang K et al. Chicken interferon-induced transmembrane protein 1 promotes replication of coronavirus infectious bronchitis virus in a cell-specific manner Veterinary Microbiology 2022-10-01 [PMID: 36368134] (ICC/IF, Virus)

Najimudeen S, Barboza-Solis C, Ali A Et al. Pathogenesis and host responses in lungs and kidneys following Canadian 4/91 infectious bronchitis virus (IBV) infection in chickens Virology 2021-12-01 [PMID: 34890893] (IHC-Fr, Virus)

Li H, Cui P, Fu X, et al. Identification and analysis of long non-coding RNAs and mRNAs in chicken macrophages infected with avian infectious bronchitis coronavirus BMC genomics 2021-01-20 [PMID: 33472590] (ICC/IF)

Li H, Li J, Zhai Y et al. Gga-miR-30d regulates infectious bronchitis virus infection by targeting USP47 in HD11 cells Microb. Pathog. 2020-01-23 [PMID: 31982568]





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NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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