

Product Datasheet

Newcastle Disease Virus (NDV) Antibody (6H12) - BSA Free

NBP2-11633-0.2mg

Unit Size: 0.2 mg

Store at 4C. Do not freeze.

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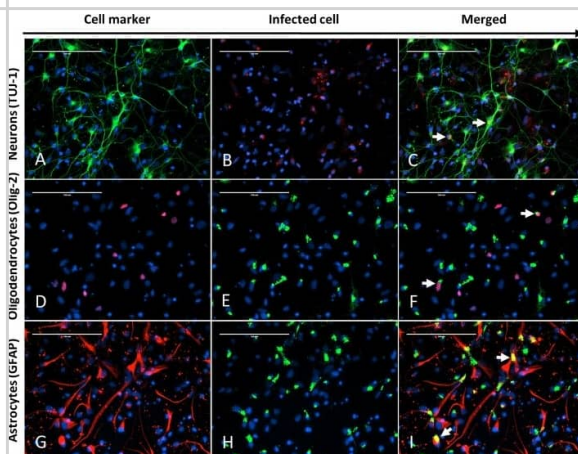
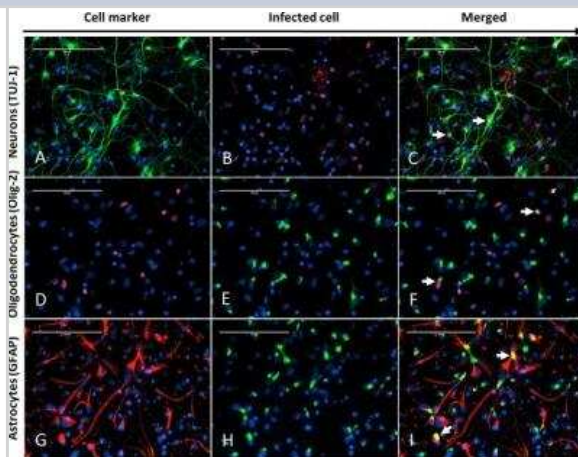
Product Information	
Unit Size	0.2 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	6H12
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS (pH 7.4)
Product Description	
Description	Novus Biologicals Mouse Newcastle Disease Virus (NDV) Antibody (6H12) - BSA Free (NBP2-11633) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-Newcastle Disease Virus (NDV) Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Virus
Specificity/Sensitivity	Specific to RNP
Immunogen	Hybridoma clone has been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with Newcastle disease virus (La-sota strain).
Product Application Details	
Applications	ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence
Application Notes	Use in FLOW reported in scientific literature (PMID:31641164).



Images

Immunocytochemistry/Immunofluorescence: Newcastle Disease Virus (NDV) Antibody (6H12) [NBP2-11633] - Representative fields of chicken neural cells infected with NDV TxGB strain, 12 hpi (MOI = 10). The same field (400x) and DAPI (pseudo-colored blue) were used in all images. 1st column shows cells stained for respective cellular markers. 2nd column shows NDV immunoreactivity in the same field. 3rd column (merged images of 1st & 2nd columns) shows colocalization of NDV & respective cellular markers. Double IFA signal (white arrows) shows cytoplasmic colocalization fluorescent signals of: Tuj-1 and NDV in scattered cells (c); nuclear (Olig-2) and cytoplasmic (NDV-BM) I in scattered cells (f); and cytoplasmic GFAP and NDV in scattered cells (i). Image collected and cropped by CiteAb from the following publication (<https://bmcvetres.biomedcentral.com/articles/10.1186/s12917-019-2053-z>) licensed under a CC-BY license.

Representative fields of chicken neural cells infected with NDV TxGB strain, 12 hpi (MOI = 10). The same field (400x) was captured for each row and DAPI (pseudo-colored blue) is used for nuclear staining in all images. The first column of each row shows the cells stained for the respective cellular marker: a Tuj-1 for neurons (pseudo-colored green), d Olig-2 for oligodendrocytes (pseudo-colored red), and g GFAP for astrocytes (pseudo-colored red). The second column of each row shows the immunoreactivity for NDV in the same field: b NDV-AP (pseudo-colored red), e NDV-BM (pseudo-colored green), and h NDV-BM (pseudo-colored green). The third column of each row (c, f, and i) shows the merged images from the first and second columns to demonstrate the colocalization of NDV and the respective cellular markers. c Double IFA signal shows cytoplasmic colocalization of the Tuj-1 and NDV fluorescent signals in scattered cells (white arrows). f Double IFA signal shows nuclear (Olig-2) and cytoplasmic (NDV-BM) colocalization of the fluorescent signal in scattered cells (white arrows). i Double IFA signal shows cytoplasmic colocalization of the GFAP and NDV fluorescent signals in scattered cells (white arrows) Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/31484573>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Bryce M. Warner, Jacob G. E. Yates, Robert Vendramelli, Thang Truong, Courtney Meilleur, Lily Chan, Alexander Leacy, Phuc H. Pham, Yanlong Pei, Leonardo Susta, Sarah K. Wootton, Darwyn Kobasa Intranasal vaccination with an NDV-vectored SARS-CoV-2 vaccine protects against Delta and Omicron challenges NPJ Vaccines 2024-05-23 [PMID: 38782986]

Warner BM, Santry LA, Leacy A Et al. Intranasal vaccination with a Newcastle disease virus-vectored vaccine protects hamsters from SARS-CoV-2 infection and disease iScience 2021-11-19 [PMID: 34632328] (ICC/IF, WB)

Ginting TE, Christian S, Larasati YO et al. Antiviral interferons induced by Newcastle disease virus (NDV) drive a tumor-selective apoptosis Sci Rep. 2019-10-22 [PMID: 31641164] (FLOW, Human)

Details:

Citation used the Alexa Fluor 488 format of this antibody.

Butt SL, Moura VMDB, Susta L et al. Tropism of Newcastle disease virus strains for chicken neurons, astrocytes, oligodendrocytes, and microglia BMC Vet. Res. 2019-09-04 [PMID: 31484573] (Virus)

Susta L, Segovia D, Olivier TL et al. Newcastle Disease Virus Infection in Quail Vet. Pathol. 2018-01-01 [PMID: 29661124] (IF/IHC, Virus)



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Products Related to NBP2-11633-0.2mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
NBP2-11633V-0.2ml	Newcastle Disease Virus (NDV) Antibody (6H12) [DyLight 405]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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