

Measles NP (2D7): sc-57910

BACKGROUND

Measles virus (MV), also known as Rubeola, is an acute viral illness that can be complicated by severe pneumonia, diarrhea and encephalitis. A paramyxovirus of the genus *Morbillivirus*, Measles virus is an enveloped and nonsegmented negative-stranded RNA virus. Because it is spread through respiration, Measles is highly contagious and airborne precautions should be taken for all suspected cases of Measles. After transmission, the virus infects the epithelial cells of its new host, and may also replicate in the urinary tract, conjunctivae, blood vessels, lymphatic system and central nervous system. The Measles virus contains two envelope glycoproteins, the haemagglutinin (H) and fusion proteins, which are responsible for membrane fusion and attachment. The nucleoprotein of the Measles virus is also known as the nucleocapsid protein. It is the basic architecture of a virus, comprised of a core of nucleic acid captured in a protein coat.

REFERENCES

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SOURCE

Measles NP (2D7) is a mouse monoclonal antibody raised against recombinant Measles nucleoprotein.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PRODUCT

Each vial contains 100 μ g IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Measles NP (2D7) is recommended for detection of both native and recombinant nucleoprotein of Measles virus origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000); non cross-reactive with mumps nucleoprotein.

Molecular Weight of Measles NP: 60 kDa

SELECT PRODUCT CITATIONS

1. Mok, H., Cheng, X., Xu, Q., Zengel, J.R., Parhy, B., Zhao, J., Wang, C.K. and Jin, H. 2012. Evaluation of Measles vaccine virus as a vector to deliver respiratory syncytial virus fusion protein or Epstein-Barr virus glycoprotein gp350. *Open Virol. J.* 6: 12-22.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.