# MDV (3H9): sc-73377



The Power to Question

## **BACKGROUND**

Marek's disease (MD) is a highly contagious and often lethal viral neoplastic disease that is common among birds and is characterized by T cell lymphoma, nerve enlargement and the presence of malignant nodules on internal organs. MD is caused by Marek's disease virus (MDV, also known as gallid herpesvirus 2) which belongs to the avian herpesvirus family. Initial infection by MDV occurs in the respiratory tract and causes early cytolytic infection in B cells and latent infection in CD4+ T cells, which ultimately leads to the formation of lymphomas in tissues throughout the body. Although MD is extremely contagious, it is not transmitted vertically (to the embryo) and young birds usually develop an immunity by the time they are 5 months old. Vaccination can prevent the formation of tumors in chickens that are infected with MDV, but vaccines do not prevent transmission of the virus.

# **REFERENCES**

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# **SOURCE**

MDV (3H9) is a mouse monoclonal antibody raised against strains SB-1 and Rispens of MDV.

## **PRODUCT**

Each vial contains 100  $\mu g \; lg G_{2b}$  in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

#### **APPLICATIONS**

MDV (3H9) is recommended for detection of MDV serotypes 1, 2 and 3 by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

## **STORAGE**

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

#### **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.

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