Overview

Product name: Anti-Measles nucleoprotein antibody [2D7] ab9882

Description: Mouse monoclonal [2D7] to Measles nucleoprotein

Host species: Mouse

Tested applications: Suitable for: ELISA, WB

Species reactivity: Reacts with: Species independent

Immunogen: Recombinant measles NP

Positive control: Recombinant measles NP

General notes: This product was changed from ascites to tissue culture supernatant on 28/11/2017. Please note that the dilutions may need to be adjusted accordingly.

Properties

Form: Liquid

Storage instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Storage buffer: Preservative: 0.1% Sodium azide

Purity: Protein A purified

Clonality: Monoclonal

Clone number: 2D7

Myeloma: NS0/1

Isotype: IgG1

Light chain type: unknown

Applications

Our Abpromise guarantee covers the use of ab9882 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Relevance
Involved in the encapsidating of the genome in a ratio of 1 N per 6 ribonucleotides, resulting in the protection from nucleases. The nucleocapsid (NC) has an helical structure with either 12.35 or 11.64 N per turn, approximately 20nm in diameter, with a hollow central cavity approximately 5nm in diameter. The encapsidated genomic RNA is termed the NC and serves as template for transcription and replication. During replication, encapsidation by N is coupled to RNA synthesis and all replicative products are resistant to nucleases. N is released in the blood following lysis of measles infected cells, it interacts then with human FCGR2B on immune cells, inducing apoptosis and blocking inflammatory immune response. Ntail binds to a protein on human thymic epithelial cells, termed Nucleoprotein Receptor (NR), inducing growth arrest

Cellular localization
Virion. Host cytoplasm.

Images

Western blot of measles NP using monoclonal antibody 2D7 at a concentration of 0.5 µg/ml.
Lane 1 - prestained marker proteins
Lane 2 - recombinant measles NP.

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Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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