# abcam

# Product datasheet

# Anti-Measles nucleoprotein antibody [3E1] ab9397

**5 References** 1 Image

Overview

Product name Anti-Measles nucleoprotein antibody [3E1]

**Description** Mouse monoclonal [3E1] to Measles nucleoprotein

Host species Mouse

**Specificity** Reacts with measles NP. Does not cross-react with mumps NP. Recognises both native and

recombinant yeast-derived measles NP.

Tested applications Suitable for: WB

Species reactivity Reacts with: Species independent

**Immunogen** Recombinant full length protein corresponding to Measles virus Measles nucleoprotein.

Positive control recombinant measles NP

**General notes**This product was changed from ascites to tissue culture supernatant on 28/11/2017. Lot numbers

higher than GR210126-1 will be from tissue culture supernatant. Please note that the dilutions may

need to be adjusted accordingly.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets

your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be

found below, along with publications, customer reviews and Q&As

**Properties** 

Form Liquid

Storage instructions Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -

80°C. Avoid freeze / thaw cycle.

Storage buffer pH: 7.2

Preservative: 0.1% Sodium azide

**Purity** Protein A purified

**Clonality** Monoclonal

Clone number 3E1

1

MyelomaNS0/1IsotypeIgG1Light chain typeunknown

#### **Applications**

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab9397 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/5000.

#### **Target**

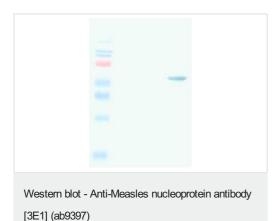
#### Relevance

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**



Immunoblot of measles NP using monoclonal antibody 3E1.

Antibody 3E1 at a concentration of 0.5 µg/ml.

Lane 1 - prestained marker proteins

lane 2 - recombinant measles NP.

Immunoblot of measles NP using monoclonal antibody 3E1.

Antibody 3E1 at a concentration of 0.5 µg/ml. Lane 1 - prestained

marker proteins lane 2 - recombinant measles NP.

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

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