

# Anti-Measles nucleoprotein antibody [3E1] ab9397

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### Overview

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<b>Product name</b>	Anti-Measles nucleoprotein antibody [3E1]
<b>Description</b>	Mouse monoclonal [3E1] to Measles nucleoprotein
<b>Host species</b>	Mouse
<b>Specificity</b>	Reacts with measles NP. Does not cross-react with mumps NP. Recognises both native and recombinant yeast-derived measles NP.
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Species independent
<b>Immunogen</b>	Recombinant full length protein corresponding to Measles virus Measles nucleoprotein.
<b>Positive control</b>	recombinant measles NP
<b>General notes</b>	<p>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.</p> <p>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.</p> <p>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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.1% Sodium azide
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	3E1

<b>Myeloma</b>	NS0/1
<b>Isotype</b>	IgG1
<b>Light chain type</b>	unknown

## 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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