Datasheet: MCA2670

BATCH NUMBER 160907

Description:	MOUSE ANTI NEWCASTLE DISEASE VIRUS
Specificity:	NEWCASTLE DISEASE VIRUS
Other names:	NDV
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	9F7
Isotype:	IgG1
Quantity:	0.2 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	
Immunoassay			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Viral
Product Form	Purified IgG- liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN_3)

Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Glycoprotein haemagglutinin-neuraminidase of Newcastle Disease Virus (La-Sota strain).
RRID	AB_844555
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the Sp2/0 myeloma cell line.
Specificity	**Mouse anti Newcastle Disease Virus antibody, clone 9F7** detects the La-Sota strain of the Newcastle Disease Virus (NDV), a highly contagious avian virus which is of major economic importance to the poultry industry. NDV is a member of the Paramyxoviridae family, and has a single stranded, negative sense RNA genome. NDV infects via mucosal surfaces of the respiratory and alimentary tract, and its strains can be categorized in accordance to their virulence, from low virulence and mild symptoms (lentogenic), to intermediate forms (mesogenic), through to highly virulent (velogenic) strains which can cause up to 90% mortality. La-Sota is a lentogenic strain, and can be used as a live vaccine. NDV has been reported to selectively kill human tumour cells in a number of clinical studies.
References	1. Lorence, R.M. *et al.* (2007) Phase 1 clinical experience using intravenous administration of PV701, an oncolytic Newcastle disease virus. Curr Cancer Drug Targets. 7 (2): 157-67. 2. Huang, Z. *et al.* (2003) Recombinant Newcastle disease virus as a vaccine vector. Poult Sci. 82 (6): 899-906.
Storage	Store at +4^{o}C or at -20^{o}C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2670 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE

Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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