

Datasheet: MCA2661

Description:	MOUSE ANTI INFLUENZA A H5 ANTIGEN
Specificity:	INFLUENZA A H5 ANTIGEN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	15A6
Isotype:	IgG2a
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			▪	
Functional Assays			▪	

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 from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein	IgG concentration 1.0mg/ml

Concentrations

Immunogen Purified avian influenza virus type A (H5N1).

RRID AB_872060

Fusion Partners Spleen and lymph node cells from immunised Balb/C mice were fused with cells of the Sp2/0 myeloma cell line.

Specificity **Mouse anti Influenza A H5 Antigen antibody, clone 15A6** detects haemagglutinin H5 from the Influenza A virus H5N1. Influenza A belongs to the Orthomyxoviridae family, and is a negative sense single-stranded RNA virus which results in respiratory disease.

Haemagglutinin is an antigenic glycoprotein which allows viral attachment and entry into the cell. Sixteen subtypes of haemagglutinin (H1-H16) have been described, of which H1, H2 and H3 infect humans. H5 and H7 normally result in avian disease, with some highly pathogenic H5N1 strains causing 100% mortality in poultry. H5N1 has in some cases mutated to infect humans, with 60% mortality. Haemagglutinin is one of the most medically relevant antigens on influenza as it is a target for antiviral drugs and antibodies.

References

1. Alexander, D.J. (2000) A review of avian influenza in different bird species. [Vet. Microbiol. 22: 3-13.](#)
2. Gauthier-Clerc. M. *et al.* (2007) Recent expansion of highly pathogenic avian influenza H5N1: a critical review [Ibis. 149 \(2\): 202-14.](#)

Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE
Human Anti Mouse IgG2a (HCA037...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[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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