

## Datasheet: MCA2662

<b>Description:</b>	MOUSE ANTI MAREK'S DISEASE VIRUS
<b>Specificity:</b>	MAREK'S DISEASE VIRUS
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	14C8
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.2 mg

## Product Details

**RRID** AB\_877465

**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](http://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 A from tissue culture supernatant

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** 0.09% Sodium Azide (NaN<sub>3</sub>)

**Approx. Protein Concentrations** IgG concentration 1.0mg/ml

**Immunogen** Marek's disease virus.

**Specificity** **Mouse anti Marek's Disease Virus antibody, clone 14C8** detects Marek's Disease Virus (MDV),

an oncogenic avian virus that is economically important in the chicken industry. MDV is a double stranded DNA herpesvirus, which is highly contagious, and results in aggressive T-cell lymphomas.

Infection of MDV occurs via the respiratory tract, where its uptake by macrophages and dendritic cells allows it to be transported in the bloodstream to visceral organs and peripheral nerves. Here MDV results in neoplasms of the heart, liver, kidney and gonads, and polyneuritis. It can also lead to asymmetric paralysis of one or more limbs, difficulty of breathing, dilation of the crop and death in up to 80 percent of birds.

Marek's disease is the only virus-induced tumour disease for which vaccination is available.

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**Further Reading**

1. Osterrieder, N. *et al.* (2006) Marek's disease virus: from miasma to model. [Nat Rev Microbiol. 4 \(4\): 283-94.](#)
2. Baigent SJ *et al.* (2006) Vaccinal control of Marek's disease: current challenges, and future strategies to maximize protection. [Vet Immunol Immunopathol. 112 \(1-2\): 78-86.](#)

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**Storage**

Store at +4°C or at -20°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.

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**Guarantee** 18 months from date of despatch.

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

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)  
Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (STAR76...) [RPE](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),  
[DyLight®800](#), [FITC](#), [HRP](#)

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