

Datasheet: MCA2720

**BATCH NUMBER 147607**

|                      |                                  |
|----------------------|----------------------------------|
| <b>Description:</b>  | MOUSE ANTI PARAINFLUENZA VIRUS 1 |
| <b>Specificity:</b>  | PARAINFLUENZA VIRUS 1            |
| <b>Other names:</b>  | HPIV-1                           |
| <b>Format:</b>       | Purified                         |
| <b>Product Type:</b> | Monoclonal Antibody              |
| <b>Clone:</b>        | 251/12A (PAR1)                   |
| <b>Isotype:</b>      | IgG2a                            |
| <b>Quantity:</b>     | 1 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](http://www.bio-rad-antibodies.com/protocols).

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

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.

|                        |  |
|------------------------|--|
| <b>Target Species</b>  | Viral  |
| <b>Product Form</b>    | Purified IgG - liquid  |
| <b>Preparation</b>     | Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant. |
| <b>Buffer Solution</b> | Phosphate buffered saline  |
| <b>Preservative</b>    | 0.09% Sodium Azide (NaN <sub>3</sub> )   |

## Stabilisers

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

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**Immunogen** Parainfluenza 1 fusion protein.

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**RRID** AB\_915362

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**Specificity** **Mouse anti Parainfluenza virus 1 antibody, clone 251/12A** recognises an epitope within the fusion protein of parainfluenza virus 1 (HPIV-1), an enveloped single-stranded RNA virus of the *Paramyxoviridae* family.

Parainfluenza viruses are genetically and antigenically divided into the four types HPIV1-4, with HPIV-1, -2 and -3 being major causative agents of lower respiratory infections in the young and immunologically vulnerable. The fusion protein of all HPIV, is a ~60-66 kDa surface glycoprotein, integral in the fusion of virus host-cell membranes, and the subsequent infection of a host cell by the viral nucleocapsid.

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**References** 1. Hierholzer, J.C. *et al.* (1989) Comparison of monoclonal antibody time-resolved fluoroimmunoassay with monoclonal antibody capture-biotinylated detector enzyme immunoassay for respiratory syncytial virus and parainfluenza virus antigen detection. [J Clin Microbiol. 27 \(6\): 1243-9.](#)

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**Further Reading** 1. Henrickson, K.J. (2003) Parainfluenza viruses. [Clin Microbiol Rev. 16 \(2\): 242-64.](#)

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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** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2720>  
10040

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**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](https://bio-rad-antibodies.com/datasheets)  
'M367370:200529'

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