

## Datasheet: MCA1991

**BATCH NUMBER 159742**

|                      |                      |
|----------------------|----------------------|
| <b>Description:</b>  | MOUSE ANTI HUMAN p19 |
| <b>Specificity:</b>  | p19                  |
| <b>Format:</b>       | Purified             |
| <b>Product Type:</b> | Monoclonal Antibody  |
| <b>Clone:</b>        | DCS100.1             |
| <b>Isotype:</b>      | IgG1                 |
| <b>Quantity:</b>     | 0.1 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 (1)    | ▪   |    |                |                    |
| Western Blotting           | ▪   |    |                |                    |

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1)**Special conditions apply. - See [\*].**

|                                 |   |
|---------------------------------|---|
| <b>Target Species</b>           | Human   |
| <b>Product Form</b>             | Purified IgG - liquid   |
| <b>Preparation</b>              | Purified IgG prepared by affinity chromatography on Protein G and A from tissue culture supernatant |
| <b>Buffer Solution</b>          | Phosphate buffered saline   |
| <b>Preservative Stabilisers</b> | 0.08% Sodium Azide  |
| <b>Approx. Protein</b>          | IgG concentration 1.0mg/ml  |

## Concentrations

|           |   |
|-----------|---|
| Immunogen | Full length recombinant p19-His tagged. |
|-----------|---|

## External Database Links

### UniProt:

[P55273](#)

[Related reagents](#)

### Entrez Gene:

[1032](#)

CDKN2D

[Related reagents](#)

## RRID

AB\_2078743

## Specificity

**Mouse anti Human p19 antibody, clone DCS100.1** recognizes human p19-INK4d, also known as Cyclin-dependent kinase 4 inhibitor D. p19-INK4d is a 166 amino acids ~19 kDa tumor suppressor protein, a specific inhibitor of cdk4/cdk6. p19ink4d is periodically expressed during the cell cycle. Maximum induction of p19ink4d occurs as cells enter S phase.

Mouse anti Human p19 antibody, clone DCS100.1 co-precipitates cdk4/cdk6.

## Histology Positive Control Tissue

Spleen

## References

1. Hirai, H. *et al.* (1995) Novel INK4 proteins, p19 and p18, are specific inhibitors of the cyclin D-dependent kinases CDK4 and CDK6. [Mol Cell Biol. 15 \(5\): 2672-81.](#)

## 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: <https://www.bio-rad-antibodies.com/SDS/MCA1991>  
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](#)

|  |   |
|--|---|
| Goat Anti Mouse IgG (STAR70...)        | <a href="#">FITC</a>  |
| Goat Anti Mouse IgG (H/L) (STAR117...) | <a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> ,<br><a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> ,<br><a href="#">FITC</a> , <a href="#">HRP</a> |
| Goat Anti Mouse IgG (STAR77...)        | <a href="#">HRP</a>   |
| Rabbit Anti Mouse IgG (STAR9...)       | <a href="#">FITC</a>  |
| Goat Anti Mouse IgG (Fc) (STAR120...)  | <a href="#">FITC</a> , <a href="#">HRP</a>  |
| Rabbit Anti Mouse IgG (STAR13...)      | <a href="#">HRP</a>   |

|                                  |   |                  |   |               |   |
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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)  
'M386248:210519'

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