

Datasheet: MCA5693

**BATCH NUMBER 160212**

|                      |                       |
|----------------------|-----------------------|
| <b>Description:</b>  | MOUSE ANTI MOUSE VEGF |
| <b>Specificity:</b>  | VEGF                  |
| <b>Format:</b>       | Purified              |
| <b>Product Type:</b> | Monoclonal Antibody   |
| <b>Clone:</b>        | CH-10                 |
| <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 |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ▪   |    |                |                    |

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

Mouse

### Species Cross Reactivity

Reacts with: Human, Rat

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Preparation

Purified IgG prepared by affinity chromatography

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.1% Sodium Azide (NaN<sub>3</sub>)

|                                       |   |
|---------------------------------------|---|
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml   |
| <b>Immunogen</b>                      | Recombinant mouse VEGF.   |
| <b>External Database Links</b>        | <p><b>UniProt:</b><br/> <a href="#">Q00731</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">22339</a> Vegfa    <a href="#">Related reagents</a></p>  |
| <b>Synonyms</b>                       | Vegf  |
| <b>RRID</b>                           | AB_10675772   |
| <b>Specificity</b>                    | <p><b>Mouse anti Mouse VEGF antibody, clone CH-10</b> recognises VEGF (vascular endothelial growth factor), a heparin-binding cytokine and member of the PDGF/VEGF growth factor family, which exists as several splice variants of the VEGF gene. VEGF, originally named vascular permeability factor due to its ability to act as vasodilator and increase microvascular permeability, is a potent stimulator of angiogenesis of both normal and cancerous cells, and acts as a regulator of vasculogenesis.</p> <p>The functional forms of VEGF exist as disulphide-linked homodimers and are classified according to the number of amino acid residues within a constitutive polypeptide chain e.g VEGF165. All VEGF family members act through binding to the tyrosine kinase receptors VEGFR-1 (Flt-1) and VEGFR-2 (KDR/CD309), whilst the closely-related VEGF-C and VEGF-D, can also bind to VEGFR-3 (Flt-4).</p> |
| <b>Protein Molecular Weight</b>       | 12/16/19 kDa  |
| <b>Storage</b>                        | <p>Store at +4°C or at -20°C if preferred.<br/> Storage in frost-free freezers is not recommended.<br/> This product should be stored undiluted.<br/> Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>   |
| <b>Guarantee</b>                      | 12 months from date of despatch   |
| <b>Health And Safety Information</b>  | <p>Material Safety Datasheet documentation #10040 available at:<br/> <a href="https://www.bio-rad-antibodies.com/SDS/MCA5693">https://www.bio-rad-antibodies.com/SDS/MCA5693</a><br/> 10040</p>   |
| <b>Regulatory</b>                     | For research purposes only  |

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...) [HRP](#)  
 Rabbit Anti Mouse IgG (STAR12...) [RPE](#)  
 Goat Anti Mouse IgG (STAR70...) [FITC](#)  
 Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
 Goat Anti Mouse IgG (STAR76...) [RPE](#)  
 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 (STAR13...) [HRP](#)  
 Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
 Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

|                                  |   |                  |   |               |   |
|----------------------------------|---|------------------|---|---------------|---|
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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)

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