

## Datasheet: 5345-0304

|                      |   |
|----------------------|---|
| <b>Description:</b>  | MOUSE ANTI HUMAN INSULIN-LIKE GROWTH FACTOR I |
| <b>Specificity:</b>  | IGF-I   |
| <b>Other names:</b>  | INSULIN-LIKE GROWTH FACTOR I                  |
| <b>Format:</b>       | Purified                                      |
| <b>Product Type:</b> | Monoclonal Antibody                           |
| <b>Clone:</b>        | M23/ILG1-001                                  |
| <b>Isotype:</b>      | IgG1  |
| <b>Quantity:</b>     | 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](http://www.bio-rad-antibodies.com/protocols).

|                   | Yes | No | Not Determined | Suggested Dilution   |
|-------------------|-----|----|----------------|----------------------|
| ELISA             | ▪   |    |                | 1/10 000 - 1/100 000 |
| Radioimmunoassays | ▪   |    |                |                      |

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 the appropriate negative/positive controls.

|                                       |  |
|---------------------------------------|--|
| <b>Target Species</b>                 | Human  |
| <b>Product Form</b>                   | Purified IgG - liquid  |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography on Protein A              |
| <b>Buffer Solution</b>                | Phosphate buffered saline  |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide (NaN <sub>3</sub> )                                     |
| <b>Carrier Free</b>                   | Yes  |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml  |
| <b>Immunogen</b>                      | Biosynthetic IGF-I   |
| <b>External Database Links</b>        | <b>UniProt:</b><br><a href="#">P05019</a> <a href="#">Related reagents</a> |

**Entrez Gene:**[3479](#) IGF1 [Related reagents](#)

|                                      |  |
|--------------------------------------|--|
| <b>Synonyms</b>                      | IBP1   |
| <b>Specificity</b>                   | <b>Mouse anti human IGF-I, clone M23/ILG1-001</b> , recognizes insulin-like growth factor 1, also known as somatomedin C. It shows minimal cross-reactivity with IGF-II, Proinsulin, MSF and Insulin. IGF-I is a secreted endocrine hormone that acts as the primary mediator for the effects of growth hormone. |
| <b>Affinity</b>                      | 10 <sup>8</sup> -10 <sup>9</sup> L/mole.   |
| <b>Storage</b>                       | 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. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.          |
| <b>Shelf Life</b>                    | 18 months from date of despatch.   |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10040 available at:<br>10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>   |
| <b>Regulatory</b>                    | For research purposes only   |

## Related Products

### Recommended Secondary Antibodies

|   |   |
|---|---|
| Goat Anti Mouse IgG (STAR76...)         | <a href="#">RPE</a>   |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | <a href="#">Alk. Phos.</a> , <a href="#">HRP</a>  |
| Goat Anti Mouse IgG (H/L) (STAR117...)  | <a href="#">Alk. Phos.</a> , <a href="#">DyLight@488</a> , <a href="#">DyLight@549</a> ,<br><a href="#">DyLight@649</a> , <a href="#">DyLight@680</a> , <a href="#">DyLight@800</a> ,<br><a href="#">FITC</a> , <a href="#">HRP</a> |
| Rabbit Anti Mouse IgG (STAR9...)        | <a href="#">FITC</a>  |
| Goat Anti Mouse IgG (STAR77...)         | <a href="#">HRP</a>   |
| Rabbit Anti Mouse IgG (STAR12...)       | <a href="#">RPE</a>   |
| Goat Anti Mouse IgG (Fc) (STAR120...)   | <a href="#">FITC</a> , <a href="#">HRP</a>  |
| Rabbit Anti Mouse IgG (STAR8...)        | <a href="#">DyLight@800</a>   |
| Goat Anti Mouse IgG (STAR70...)         | <a href="#">FITC</a>  |
| Rabbit Anti Mouse IgG (STAR13...)       | <a href="#">HRP</a>   |
| Human Anti Mouse IgG1 (HCA036...)       | <a href="#">HRP</a>   |

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

**North & South America**  
Tel: +1 800 265 7376  
Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700  
Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21  
Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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