

## Datasheet: 5254-3004

|                      |                   |
|----------------------|-------------------|
| <b>Description:</b>  | NATIVE HUMAN IgG4 |
| <b>Name:</b>         | IgG4              |
| <b>Format:</b>       | Purified          |
| <b>Product Type:</b> | Antigen           |
| <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 |
|-------|-----|----|----------------|--------------------|
| ELISA | ▪   |    |                |                    |

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 immunoglobulin from human myeloma serum - liquid  |
| <b>Preparation</b>                    | Affinity chromatography  |
| <b>Buffer Solution</b>                | Phosphate buffered saline  |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide (NaN <sub>3</sub> )   |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1 mg/ml  |
| <b>External Database Links</b>        | <p><b>UniProt:</b><br/> <a href="#">P01861</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">3503</a>    IGHG4    <a href="#">Related reagents</a></p> |
| <b>RRID</b>                           | AB_615618  |

|                                      |   |
|--------------------------------------|---|
| <b>Product Information</b>           | <b>Native Human IgG4</b> is a purified preparation of human IgG4 from myeloma plasma. A single arc was observed in immunoelectrophoresis against antisera to whole human serum and human kappa light chain.   |
| <b>Purity</b>                        | SDS PAGE: >95%  |
| <b>References</b>                    | <p>1. Haberland, A. <i>et al.</i> (2016) Aptamer BC 007 - A broad spectrum neutralizer of pathogenic autoantibodies against G-protein-coupled receptors. <a href="#">Eur J Pharmacol. 789: 37-45.</a></p> <p>2. Rizzo, C. <i>et al.</i> (2014) Differential antibody response to the <i>Anopheles gambiae</i> gSG6 and cE5 salivary proteins in individuals naturally exposed to bites of malaria vectors. <a href="#">Parasit Vectors. 7: 549.</a></p> |
| <b>Storage</b>                       | <p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. 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 #10258 available at: 10258: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10258.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10258.pdf</a></p> <p>Donor material tested and found negative for HBsAg, HIV antibodies and HCV antibodies.</p> <p>As no test can completely guarantee this material to be free of pathogens it should be handled as potentially infectious</p>              |
| <b>Regulatory</b>                    | For research purposes only  |

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