

Datasheet: 913001

**BATCH NUMBER 174043**

|                      |                                     |
|----------------------|-------------------------------------|
| <b>Description:</b>  | MOUSE ANTI HUMAN IgA1 ALPHA 1 CHAIN |
| <b>Specificity:</b>  | IgA1                                |
| <b>Format:</b>       | Purified                            |
| <b>Product Type:</b> | Monoclonal Antibody                 |
| <b>Clone:</b>        | B3506B4                             |
| <b>Isotype:</b>      | IgG1                                |
| <b>Quantity:</b>     | 0.5 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 |
|--------------------------|-----|----|----------------|--------------------|
| Immunohistology - Frozen | ▪   |    |                |                    |
| ELISA                    | ▪   |    |                |                    |
| Western Blotting         | ▪   |    |                |                    |
| Immunoblotting           | ▪   |    |                |                    |

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>                 | Human                                                 |
| <b>Product Form</b>                   | Purified IgG - liquid                                 |
| <b>Preparation</b>                    | Purified IgG prepared from tissue culture supernatant |
| <b>Buffer Solution</b>                | Borate buffered saline                                |
| <b>Preservative Stabilisers</b>       | None present                                          |
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.5 mg/ml                           |
| <b>Immunogen</b>                      | Human IgA1 heavy chains.                              |

|                               |                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| External Database Links       | UniProt:                                                                                                                                                                                                                                                                                                                                     |
|                               | <a href="#">P01876</a> <a href="#">Related reagents</a>                                                                                                                                                                                                                                                                                      |
|                               | Entrez Gene:                                                                                                                                                                                                                                                                                                                                 |
|                               | <a href="#">3493</a> IGHA1 <a href="#">Related reagents</a>                                                                                                                                                                                                                                                                                  |
| RRID                          | AB_620166                                                                                                                                                                                                                                                                                                                                    |
| Specificity                   | <b>Mouse anti Human IgA1 antibody, clone B3506B4</b> recognizes the Fc portion of the heavy chain of human IgA1 as demonstrated by ELISA.                                                                                                                                                                                                    |
| References                    | <p>1. Zhao, Y.F. <i>et al.</i> (2017) Pathogenic role of glycan-specific IgG antibodies in IgA nephropathy. <a href="#">BMC Nephrol. 18 (1): 301.</a></p> <p>2. Li, G. <i>et al.</i> (2019) Serum Levels of Joining Chain-Containing IgA1 Are Not Elevated in Patients with IgA Nephropathy. <a href="#">Dis Markers. 2019: 9802839.</a></p> |
| Storage                       | <p>Store at -20°C only.</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 antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>                                          |
| Guarantee                     | Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.                                                                                                                                                                                                     |
| Health And Safety Information | Material Safety Datasheet documentation #10123 available at: <a href="https://www.bio-rad-antibodies.com/SDS/913001">https://www.bio-rad-antibodies.com/SDS/913001</a>                                                                                                                                                                       |
| Regulatory                    | For research purposes only                                                                                                                                                                                                                                                                                                                   |

## Related Products

### Recommended Secondary Antibodies

|                                         |                                                                                                                                                                                                                               |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Goat Anti Mouse IgG IgA IgM (STAR87...) | <a href="#">HRP</a>                                                                                                                                                                                                           |
| Goat Anti Mouse IgG (STAR70...)         | <a href="#">FITC</a>                                                                                                                                                                                                          |
| Goat Anti Mouse IgG (STAR77...)         | <a href="#">HRP</a>                                                                                                                                                                                                           |
| Goat Anti Mouse IgG (STAR76...)         | <a href="#">RPE</a>                                                                                                                                                                                                           |
| Rabbit Anti Mouse IgG (STAR12...)       | <a href="#">RPE</a>                                                                                                                                                                                                           |
| Rabbit Anti Mouse IgG (STAR13...)       | <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>                                                                                                                                                                                    |
| Goat Anti Mouse IgG (H/L) (STAR117...)  | <a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a> |

### Recommended Negative Controls

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)  
'M437845:250319'

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