

## Product Datasheet

# Goat anti Rat IgG1 IgG2a IgG2b IgG2c IgA IgM (heavy and light chains), conjugated with Biotin (orb21646)

|                        |  |
|------------------------|--|
| <b>Description</b>     | Biotin-conjugated IgG fraction of polyclonal goat antiserum to rat IgG, IgA and IgM, heavy and light chains. In immunocytochemical and immunohistochemical staining of immunoglobulins at the cellular and subcellular level of appropriately treated cell and tissue substrates; to demonstrate circulating antibodies in serodiagnostic microbiology and autoimmune diseases; to identify a specific antigen using a reference antibody of rat origin in the middle layer of the indirect test procedure; in non-isotopic assay methodology (e.g. ELISA) to measure immunoglobulins in rat serum or other body fluids. As a second step an avidin or streptavidin conjugate of the user's choice has to be used. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal. Working dilutions for histochemical and cytochemical use are usually between 1:50 and 1:250; in ELISA and comparable non-precipitating antibody-binding assays between 1:1,000 and 1:5,000. |
| <b>Species/Host</b>    | Goat   |
| <b>Conjugation</b>     | Biotin   |
| <b>Preservatives</b>   | Biotin-coupled purified hyperimmune goat IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2). No preservative added, as it may interfere with the antibody activity.  |
| <b>Form/Appearance</b> | Biotin-coupled purified hyperimmune goat IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2). No preservative added, as it may interfere with the antibody activity.  |

### Biorbyt Ltd.

7 Signet Court, Swann's Road,  
Cambridge, CB5 8LA, United Kingdom  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

### Biorbyt LLC.

68 TW Alexander Drive,  
Durham, NC, 27713, United States  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

|                           |   |
|---------------------------|---|
| <b>Storage</b>            | The lyophilized conjugate is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. Prior to use, an aliquot is thawed slowly at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the immunoconjugate. |
| <b>Note</b>               | For research use only   |
| <b>Clonality</b>          | Polyclonal  |
| <b>Antibody Type</b>      | Secondary Antibody  |
| <b>Source</b>             | Highly purified IgG and pools of homogenous IgA and IgM isolated from rat serum. Freund's complete adjuvant is used in the first step of the immunization procedure.  |
| <b>Hazard Information</b> | This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. This datasheet is as accurate as reasonably achievable, but Biorbyt accepts no liability for any inaccuracies or omissions in this information.  |
| <b>Expiration Date</b>    | 12 months from date of receipt.   |

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7 Signet Court, Swann's Road,  
Cambridge, CB5 8LA, United Kingdom  
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