

Product Datasheet

Goat Rat IgG1 (subclass specific), conjugated with Biotin Antibody (orb21346)

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| Catalog Number | orb21346 |
| Category | Antibodies |
| Description | <p>Biotin-conjugated IgG fraction of polyclonal goat antiserum to rat IgG1, subclass specific. In immunocytochemical and immunohistochemical staining for the detection of IgG1 at the cellular and subcellular level of appropriately treated cell and tissue substrates; to demonstrate circulating IgG1 antibodies in serodiagnostic microbiology and autoimmune diseases; to identify a specific antigen using a reference antibody of rat origin known to be of the IgG1 isotype in the middle layer of the indirect test procedure; in non-isotopic assay methodology (e.g. ELISA) to measure IgG1 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 1:100 and 1:250; in ELISA and comparable non-precipitating antibody-binding assays between 1:500 and 1:2,000 depending on the method used.</p> |
| Clonality | Polyclonal |
| Species/Host | Goat |
| Conjugation | Biotin |
| Reactivity | Rat |
| Form/Appearance | 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. |

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|----------------------|---|
| RRID | AB_10737442 |
| Antibody Type | Secondary Antibody |
| Source | Pools of purified homogenous IgG1 isolated from pooled rat serum. Freund's complete adjuvant is used in the first step of the immunization procedure. |
| Storage | 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. |
| Note | For research use only |

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