

Product Datasheet

Goat Rat IgG1 IgG2a IgG2b IgG2c IgA IgM (Fc specific), conjugated with Biotin Antibody (orb21645)

Catalog Number	orb21645
Category	Antibodies
Description	Biotin-conjugated IgG fraction of polyclonal goat antiserum to rat IgG, IgA and IgM, Fc specific. 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. The absence of activity to the common Ig/Fab subunit prevents the reaction of this conjugate with immunoglobulins binds to Fc receptors on non-lymphoid cells. 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 1:500; in ELISA and comparable non-precipitating antibody-binding assays between 1:1,000 and 1:5,000.
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_10737471
Antibody Type	Secondary Antibody
Source	Purified normal IgG, IgA and IgM 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
Expiration Date	12 months from date of receipt.

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