

Product Datasheet

Goat Rat IgG1 IgG2a IgG2b IgG2c (Fc specific), conjugated with Biotin Antibody (orb21694)

Catalog Number orb21694

Category Antibodies

Description Biotin-conjugated IgG fraction of polyclonal goat antiserum to rat IgG, Fc

specific. In immunocytochemical and immunohistochemical staining of IgG at the cellular and subcellular level of appropriately treated cell and tissue substrates; to demonstrate circulating IgG antibodies in serodiagnostic microbiology and autoimmune diseases; to identify a specific antigen using a reference antibody of rat origin known to be of the IgG isotype in the middle layer of the indirect test procedure; in non-isotopic assay methodology (e.g. ELISA) to measure IgG 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 prediluted. 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 1:2,000 and 1:15,000.

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.

RRID AB 10737569

Antibody Type Secondary Antibody





Source Purified normal IgG, including all subclasses, 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 $+4^{\circ}$ 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 $+4^{\circ}$ 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 product.

Note For research use only

Expiration Date 12 months from date of receipt.

Phone: <u>+1 (415) 906-5211</u> | Fax: <u>+1 (415) 651-8558</u>