

## **Product Datasheet**

## Goat Mouse IgG1 IgG2a IgG2b IgG3 IgA IgM (Fc specific), conjugated with Biotin Antibody (orb21642)

Catalog Number orb21642

**Category** Antibodies

**Description**Biotin-conjugated IgG fraction of polyclonal goat antiserum to Mouse 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 mouse origin in the middle layer of the indirect test procedure; in non-isotopic assay methodology (e.g. ELISA) to measure immunoglobulins in mouse serum or other body fluids. The absence of

activity to the common Ig/Fab subunit prevents the reaction of this conjugate with immunoglobulins bounds 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

1:7,000.

**Clonality** Polyclonal

Species/Host Goat

**Conjugation** Biotin

**Reactivity** Mouse



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**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. IgG protein concentration 10 mg/ml.

Biotin/IgG protein molar ratio

**RRID** AB\_10736539

**Antibody Type** Secondary Antibody

**Source** Purified normal IgG an homogenous IgA and IgM isolated from mouse 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  $-20^{\circ}$ 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 immunoconjugate.

**Note** For research use only

**Expiration Date** 12 months from date of receipt.

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