

Product Datasheet

Goat Human IgG IgA IgM (heavy and light chains), conjugated with Biotin Antibody (orb21826)

Catalog Number	orb21826
Category	Antibodies
Description	<p>Biotin-conjugated IgG fraction of polyclonal goat antiserum to human 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 human origin in the middle layer of the indirect test procedure; in non-isotopic assay methodology (e.g. ELISA) to measure immunoglobulins in human 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 1:500; in ELISA and comparable non-precipitating antibody-binding assays between 1:2,000 and 1:15,000.</p>
Clonality	Polyclonal
Species/Host	Goat
Conjugation	Biotin
Reactivity	Human
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_10736555
Specificity	Biotin-conjugated IgG fraction of polyclonal Goat antiSerum to Human IgG, IgA and IgM, heavy and light chains
Antibody Type	Secondary Antibody
Source	Highly purified IgG and pools of homogenous IgA and IgM isolated from human 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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