

Product Datasheet

Goat Rat IgG2b (subclass specific), conjugated with Biotin Antibody (orb21351)

Catalog Number	orb21351
Category	Antibodies
Description	Biotin-conjugated IgG fraction of polyclonal goat antiserum to rat IgG2b, subclass specific. In immunocytochemical and immunohistochemical staining for the detection of IgG2b at the cellular and subcellular level of appropriately treated cell and tissue substrates; to demonstrate circulating IgG2b antibodies in serodiagnostic microbiology and autoimmune diseases; to identify a specific antigen using a reference antibody of rat origin known to be of the IgG2b isotype in the middle layer of the indirect test procedure; in non-isotopic assay methodology (e.g. ELISA) to measure IgG2b 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 1:1,000 and 1:10,000 depending on the method used.
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_10736543
Specificity	Biotin-conjugated IgG fraction of polyclonal Goat antiSerum to Rat IgG2b, subclass specific.
Antibody Type	Secondary Antibody
Source	Pools of purified homogenous IgG2b isolated from 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 in the dark 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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