

## Product Information

### Anti-Rabbit IgG ( $\gamma$ -chain specific) antibody, Mouse monoclonal

Clone RG-96, purified from hybridoma cell culture

Product Number **SAB4200801**

#### Product Description

Monoclonal Anti-Rabbit IgG ( $\gamma$ -chain specific) (mouse IgG1 isotype) is derived from the RG-96 hybridoma, produced by the fusion of mouse myeloma cells and splenocytes from a mouse immunized with purified rabbit IgG. The isotype is determined by ELISA using Mouse Monoclonal Antibody Isotyping Reagents, Product Number ISO2. The antibody is purified from culture supernatant of hybridoma cells.

Monoclonal Anti-Rabbit IgG ( $\gamma$ -chain specific) recognizes an epitope located on the heavy  $\gamma$ -chain of rabbit IgG. The antibody does not react with rabbit IgA, IgM, or light chains. No cross reactivity is observed with IgG from bovine, cat, chicken, dog, goat, horse, human, pig, or sheep. The antibody is recommended for use in various immunological techniques, including ELISA, immunoblotting,<sup>1-2</sup> and immunohistochemistry.<sup>3</sup>

Primary Rabbit antibodies are widely used in research for various assay techniques. Secondary antibodies that are used to detect rabbit antibodies may lack specificity for rabbit immunoglobulins and in many instances will also recognize other immunoglobulins that appear in the sample being tested. This results increase the need for extensive adsorption of the second antibody. Therefore, using a monoclonal antibody to rabbit IgG which is devoid of a binding capacity to other species can serve as a useful research tool in many applications.

#### Reagent

Supplied as a solution in 0.01 M phosphate buffered saline, pH 7.4, containing 15 mM sodium azide as a preservative.

Antibody Concentration: ~1.0 mg/mL

#### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

#### Storage/Stability

For continuous use, store at 2–8 °C for up to one month. For extended storage, freeze in working aliquots. Repeated freezing and thawing is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

#### Product Profile

Indirect ELISA: a working concentration of 0.2–0.4  $\mu$ g/mL is recommended using 10  $\mu$ g/mL of rabbit IgG for coating.

Note: In order to obtain best results in different techniques and preparations, it is recommended to determine optimal working concentration by titration test.

#### References

1. Area-Gomez, E. et al., *Am. J. Pathol.*, **175**, 1810-6 (2009).
2. Elvers, K.T. et al., *J. Bacteriol.*, **186**, 5332-41 (2004)
3. D'Angelo, A.R. et al., *Vet. Ital.*, **46**, 189-207 (2010).

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