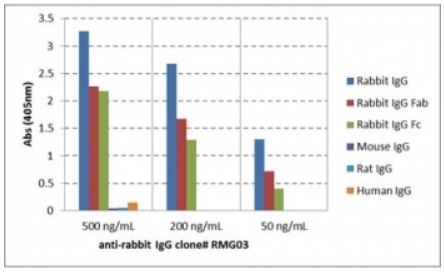
Biotinylated Rabbit IgG Antibody RMG03 / Biotin Anti-Rabbit IgG Antibody [clone RMG03] (R20478BTN)

Catalog No.	Formulation	Size
R20478BTN-50UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	50 ug

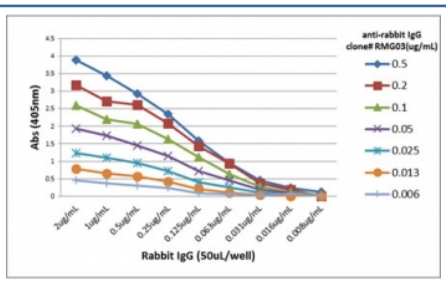
Recombinant GOAT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Rabbit
Format	Biotin Conjugate
Host	Goat
Clonality	Recombinant Goat Monoclonal
Isotype	Goat IgG
Clone Name	RMG03
Purity	Protein A purified from animal origin-free supernatant
Applications	ELISA : 0.01ug/ml-0.5ug/ml Western Blot : 0.1ug/ml-0.5ug/ml
Limitations	This Biotinylated Rabbit IgG Antibody RMG03 / Biotin Anti-Rabbit IgG Antibody is available for research use only.



Biotinylated Rabbit IgG Antibody RMG03 Species Specificity ELISA. ELISA testing of Biotinylated Rabbit IgG Antibody clone RMG03 against rabbit, human, rat, and mouse IgG demonstrates strong preferential recognition of rabbit IgG. Plates were coated with 50 ng/well of each IgG and tested with RMG03 at 500, 200, and 50 ng/ml. Rabbit IgG produces the dominant signal at each antibody concentration, with minimal reactivity against the other species tested. The results demonstrate the specificity of this Biotin Anti-Rabbit IgG Antibody for rabbit immunoglobulin G.



Biotinylated Rabbit IgG Antibody RMG03 Titration ELISA. ELISA titration of Biotinylated Rabbit IgG Antibody clone RMG03 against varying amounts of immobilized rabbit IgG demonstrates concentration-dependent detection across serial antibody dilutions. Signal is strongest at the higher concentrations of RMG03 and progressively decreases with dilution, while the lower antigen-coating conditions produce correspondingly reduced responses. This Biotin Anti-Rabbit IgG Antibody provides dose-responsive recognition of rabbit IgG across the tested ELISA conditions.

Description

Biotinylated Rabbit IgG Antibody recognizes rabbit immunoglobulin G (IgG), the predominant immunoglobulin class in rabbit serum. IgG participates in humoral immunity through antigen recognition and interactions with other components of the immune system. Rabbits are also widely used as hosts for antibody production, making selective detection of rabbit IgG important in immunological research, antibody characterization, and immunoassay development.

Biotinylation provides a versatile method for detecting antibody-antigen complexes through the high-affinity interaction between biotin and avidin or streptavidin. A biotin-conjugated antibody can be paired with appropriately labeled avidin or streptavidin reagents, allowing researchers to select detection systems suited to a particular experimental design. This approach is widely used in immunoassays because the biotin-avidin interaction provides a flexible basis for signal detection and amplification.

Clone RMG03 is a recombinant goat monoclonal antibody that recognizes rabbit IgG. The biotin-conjugated format combines the specificity of clone RMG03 with direct incorporation of a biotin label. The antibody has demonstrated selective recognition of rabbit IgG without detectable cross-reactivity to human, rat, or mouse IgG in the reported specificity testing.

This Biotin Anti-Rabbit IgG Antibody provides a conjugated option for researchers who require selective recognition of rabbit immunoglobulin G. Its recombinant monoclonal format provides a defined antibody sequence, while the biotin label enables incorporation into avidin- or streptavidin-based detection systems. NSJ Bioreagents supplies clone RMG03 for research involving rabbit antibody detection and immunoglobulin analysis. A Biotinylated Rabbit IgG Antibody can be used when a biotin-conjugated reagent is preferred for detection of rabbit IgG.

For the unconjugated form of clone RMG03, see our Rabbit IgG Antibody for ELISA / Anti-Rabbit IgG Detection Antibody page.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Biotinylated Rabbit IgG Antibody RMG03 / Biotin Anti-Rabbit IgG Antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Rabbit IgG was used as the immunogen for the recombinant Biotinylated Rabbit IgG Antibody RMG03.

Storage

Store the Biotinylated Rabbit IgG Antibody RMG03 antibody at -20oC.

Alternate Names

Anti-rabbit IgG ELISA antibody, Rabbit immunoglobulin G antibody, Rabbit IgG detection antibody, Goat anti-rabbit IgG antibody, Rabbit IgG immunoglobulin antibody

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