

Datasheet for 617-106-012

Monkey IgG (gamma chain) Antibody Biotin Conjugated**Overview**

Description:	Goat Anti-Monkey IgG (gamma chain) Antibody Biotin Conjugated - 617-106-012
Item No.:	617-106-012
Size:	1 mg
Applications:	ELISA, Biochemical Assay, Multiplex
Reactivity:	Monkey
Host Species:	Goat

Product Details

Background:	Anti-Monkey IgG (gamma chain) biotin conjugated antibody generated in goat detects specifically Monkey IgG (gamma chain). This anti-Monkey biotin conjugated secondary antibody is ideal for investigators who routinely perform titration assays, western-blot, immunoprecipitation and more generally immunoassays.
Synonyms:	goat anti-Monkey IgG (gamma chain) biotin conjugated antibody, goat anti-Monkey IgG gamma antibody biotin conjugation, goat anti-monkey IgG biotin conjugated antibody
Host Species:	Goat
Specificity:	IgG (gamma chain)
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Monkey
Immunogen Type:	Native Protein
Immunogen:	Anti-Monkey IgG (gamma chain) was produced by repeated immunization with monkey IgG gamma heavy chain in goat.

Purity/Specificity: This product was prepared from monospecific antiserum by immunoaffinity chromatography using Monkey IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Goat Serum, Monkey IgG and Monkey Serum.

Relevant Links:

- [617-106-012 SDS](#)

Application Details

Tested Applications:	ELISA
Suggested Applications:	Biochemical Assay, Multiplex (Based on references)
Application Note:	Anti-Monkey IgG (gamma chain) biotin conjugated has been tested by ELISA and is suitable for use in immunoelectrophoresis, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000 - 1:50,000
IHC:	1:1,000 - 1:2,500
WB:	1:2,000 - 1:5,000

Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
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Storage Condition: Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images

Diagram

This table displays additional reactivity among various species of serum and immunoglobulin. A (+) indicates antibody reactivity to the corresponding target.

Product	Gt-a-Monkey IgG	Gt-a-Monkey IgA	Gt-a-Monkey IgM
Rhesus Serum	+	+	+
Baboon Serum	+	+	+
Cynomolgus Serum	+	+	+
Rhesus IgG	+		
Human IgA		+	
Human IgM			+

References

- Mielke D et al. Computationally Selected Multivalent HIV-1 Subtype C Vaccine Protects Against Heterologous SHIV Challenge. *Vaccines (Basel)*. (2025)
- Rahman MA et al. Loss of HIV candidate vaccine efficacy in male macaques by mucosal nanoparticle immunization rescued by V2-specific response. *Nat Commun*. (2024)
- Arunachalam PS, Charles TP, Joag V, et al. T cell-inducing vaccine durably prevents mucosal SHIV infection even with lower neutralizing antibody titers. *Nat Med*. (2020)
- Marassá AM, Paula MB, Gomes AC, Consales CA. Biotin-avidin sandwich elisa with specific human isotypes IgG1 and IgG4 for Culicidae mosquito blood meal identification from an epizootic yellow fever area in Brazil. *Scientific Electronic Library Online: Journal of Venomous Animals and Toxins including Tropical Diseases* (2009)

Disclaimer

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