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Datasheet for 617-101-012

# Monkey IgG gamma Antibody

## Overview

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|---|---|
| **Description:** | Goat Anti-Monkey IgG (gamma chain) Antibody - 617-101-012 |
| **Item No.:** | 617-101-012 |
| **Size:** | 1 mg |
| **Applications:** | Dot Blot, ELISA, WB, Multiplex, Purification |
| **Reactivity:** | Monkey |
| **Host Species:** | Goat |

## Product Details

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

## Target Details

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| **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-Goat Serum, Monkey IgG and Monkey Serum. |

## Application Details

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| **Tested Applications:** | Dot Blot, ELISA, WB |
| **Suggested Applications:** | Multiplex, Purification (Based on references) |
| **Application Note:** | Anti-Monkey IgG (gamma chain) has been tested by ELISA, dot blot, and western blot 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:** | 1:75000 - 1:175,000 |
| **IHC:** | 1:1,000 - 1:5,000 |
| **WB:** | 1:2,000 - 1:10,000 |

## Formulation

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| **Physical State:** | Liquid (sterile filtered) |
| **Concentration:** | 1.22 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 |

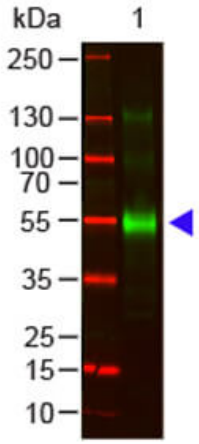
## Shipping & Handling

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| **Shipping Condition:** | Wet Ice |
| **Storage Condition:** | Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. |
| **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 | + | + | + |
| Cynomologus Serum | + | + | + |
| Rhesus IgG | + | | |
| Human IgA | | + | |
| Human IgM | | | + |




**Western Blot**
Western Blot of Goat anti-Monkey IgG gamma Antibody. Lane 1: Monkey IgG (p/n 017-0102). Lane 2: None. Load: 100 ng per lane. Primary antibody: Monkey IgG gamma Antibody at 1:1000 for overnight at 4°C. Secondary antibody: DyLight™ 800 goat secondary antibody at 1:20,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 55 kDa, 55 kDa for Monkey IgG Gamma. Other band(s): None.

## References

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- Silva de Castro I, Gordon SN, Liu J, et al. Expression of CD40L by the ALVAC-Simian Immunodeficiency Virus Vector Abrogates T Cell Responses in Macaques. *J Virol.* (2020)
- Fouda GGA et al. Mucosal immunization of lactating female rhesus monkeys with a transmitted/founder HIV-1 envelope induces strong Env-specific IgA antibody responses in breast milk. *J Viral.* (2013)
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- Ruiz, W. et al. Kinetics and isotype profile of antibody responses in rhesus macaques induced following vaccination with HPV 6, 11, 16 and 18 L1-virus-like particles formulated with or without Merck aluminum adjuvant. *Journal of Immune Based Therapies and Vaccines* (2005)


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