

Datasheet for 617-105-012

Monkey IgG (gamma chain) Antibody Alkaline Phosphatase Conjugated

Overview

| | |
|----------------------|---|
| Description: | Goat Anti-Monkey IgG (gamma chain) Antibody Alkaline Phosphatase Conjugated - 617-105-012 |
| Item No.: | 617-105-012 |
| Size: | 1 mg |
| Applications: | ELISA |
| Reactivity: | Monkey |
| Host Species: | Goat |

Product Details

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

Target Details

| | |
|------------------------|------------------------------|
| Reactivity: | Monkey |
| Immunogen Type: | Native Protein |
| Immunogen: | Monkey IgG gamma heavy chain |

Purity/Specificity: Monkey IgG gamma chain specific antibody was prepared from monospecific antiserum by immunoaffinity chromatography using antigens 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-Alkaline Phosphatase (calf intestine), anti-Goat Serum, Monkey IgG and Monkey Serum.

Application Details

Tested Applications: ELISA

Application Note: Anti-Monkey IgG alkaline phosphatase conjugated antibody has been tested by ELISA and is suitable for immunoblotting (western or dot blot), ELISA, immunohistochemistry as well as other alkaline phosphatase-antibody based enzymatic assays requiring lot-to-lot consistency.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:20,000

IHC: 1:200 - 1:1,000

WB: 1:500 - 1:2,500

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

Buffer: 0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0

Preservative: 0.09% (w/v) Sodium Azide

Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.

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

Images

| <u>Product</u> | <u>Gt-a-Monkey IgG</u> | <u>Gt-a-Monkey IgA</u> | <u>Gt-a-Monkey IgM</u> |
|------------------|------------------------|------------------------|------------------------|
| Rhesus Serum | + | + | + |
| Baboon Serum | + | + | + |
| Cynomolgus Serum | + | + | + |
| Rhesus IgG | + | | |
| Human IgA | | + | |
| Human IgM | | | + |

Diagram

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

References

- Pollara J et al. Bridging vaccine-induced HIV-1 neutralizing and effector antibody responses in rabbit and rhesus macaque animal models. *J Virol.* (2019)
- Jones DI et al. Optimized Mucosal Modified Vaccinia Virus Ankara Prime/Soluble gp120 Boost HIV Vaccination Regimen Induces Antibody Responses Similar to Those of an Intramuscular Regimen. *J Virol.* (2019)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.