

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)

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