

Datasheet for 617-405-002

Monkey IgG (H&L) Antibody Alkaline Phosphatase

Overview

Description:	Rabbit Anti-Monkey IgG (H&L) Antibody Alkaline Phosphatase Conjugated - 617-405-002
Item No.:	617-405-002
Size:	1 mg
Applications:	ELISA
Reactivity:	Monkey
Host Species:	Rabbit

Product Details

Background: Conjugated Anti-Monkey IgG (H&L) Alkaline Phosphatase antibody generated in rabbit detects specifically monkey IgG heavy and light chains. Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. IgG binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the compliment cascade, and opsonization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both heavy and light chains of the antibody molecule are present. This alkaline phosphatase conjugated anti-Monkey IgG (H&L) secondary antibody is ideal for investigators who routinely perform western blots, ELISAs, and more general immunoassays. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment.

Synonyms:	rabbit anti-Monkey IgG alkaline phosphatase conjugated antibody, rabbit anti-Monkey IgG antibody alk phos conjugation
Host Species:	Rabbit
Specificity:	IgG (H&L)
Conjugate:	Alkaline Phosphatase (AP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Monkey
Immunogen Type:	Native Protein
Immunogen:	Anti-Monkey IgG (H&L) was produced by repeated immunization with monkey IgG in rabbit.
Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Monkey IgG coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, anti-alkaline phosphatase, Monkey IgG and Monkey Serum.

Application Details

Tested Applications:	ELISA
Application Note:	Anti-Monkey IgG (H&L) ALP conjugated Antibody has been tested by ELISA and is suitable for use in Western Blotting, Immunohistochemistry, ELISA as well as other antibody detection methods. 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:	1:10,000 - 1:50,000
IHC:	User Optimized
WB:	1:1,000 - 1:5,000

Formulation

Physical State:	Liquid (sterile filtered)
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

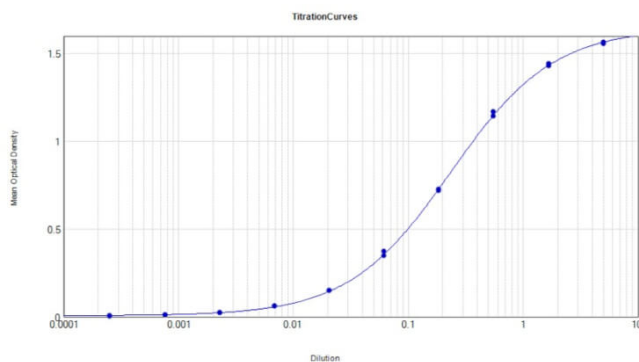
Shipping & Handling

Shipping Condition:	Wet Ice
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Storage Condition: Store secondary antibody at 4° C before opening. DO NOT FREEZE. Alkaline Phosphatase conjugated antibodies are 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



ELISA

ELISA Results of Rabbit Anti-Monkey IgG Antibody Alkaline Phosphatase Conjugate tested against purified Monkey IgG Alk Phos. Each well was coated in duplicate with 1.0 µg of Monkey IgG (p/n 017-0102). The working dilution is 1:4300. The starting dilution of antibody was 5µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using HRP Conjugate Substrate (p/n MB-076), ELISA Alkaline Phosphatase Substrate Buffer (p/n NPP-10) and NPP Working Buffer (p/n NPP-B500).

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.