

Datasheet for ABIN5706886

**Rabbit anti-Monkey IgG (Heavy & Light Chain) Antibody
(Alkaline Phosphatase (AP))**[Go to Product page](#)**1** Image

Overview

Quantity:	1 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Alkaline Phosphatase (AP)
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Purpose:	Monkey IgG (H&L) Antibody Alkaline Phosphatase
Immunogen:	Immunogen: Anti-Monkey IgG (H&L) was produced by repeated immunization with monkey IgG in rabbit. Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, anti-alkaline phosphatase, Monkey IgG and Monkey Serum.
Characteristics:	Anti-Monkey IgG (H&L) HRP antibody generated in rabbit detects specifically monkey IgG heavy and light chains.
Purification:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Monkey IgG coupled to agarose beads.

Product Details

Sterility: Sterile filtered

Target Details

Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

Background: 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 complement 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.

Application Details

Application Notes: 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. Immunohistochemistry Dilution: User Optimized Western Blot Dilution: 1:1,000 - 1:5,000 ELISA Dilution: 1:10,000 - 1:50,000

Restrictions: For Research Use only

Handling

Format: Liquid

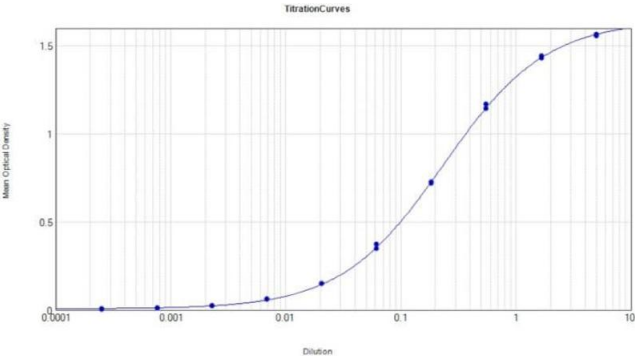
Concentration: 1.0 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
, Preservative: 0.01 % (w/v) Sodium Azide

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	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.
Expiry Date:	12 months

Images



ELISA

Image 1. 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 5 µg/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).