

Datasheet for ABIN102334

Rabbit anti-Mouse IgG1 (Heavy Chain) Antibody (Alkaline Phosphatase (AP))[Go to Product page](#)**2** Images

Overview

Quantity:	1 mg
Target:	IgG1
Binding Specificity:	Heavy Chain
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Alkaline Phosphatase (AP)
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Immunogen: Mouse IgG1 heavy chain
Isotype:	IgG
Specificity:	IgG1
Characteristics:	Concentration Definition: by UV absorbance at 280 nm
Purification:	IgG1 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) and anti-Rabbit Serum. Specificity was confirmed by ELISA at less than 1% cross reactivity against other mouse heavy or light chain isotypes.
Sterility:	Sterile filtered

Target Details

Target:	IgG1
Abstract:	IgG1 Products
Target Type:	Antibody
Background:	<p>Synonyms: Rabbit Anti-Mouse IgG1 (Gamma 1 chain) Antibody alkaline phosphatase Conjugation, Rabbit Anti-Mouse IgG1 alk phos Conjugated Antibody</p> <p>Background: Anti-Mouse IgG1 Alkaline Phosphatase Antibody generated in rabbit detects reactivity to Mouse IgG1 (Gamma 1 chain). Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75 % of serum immunoglobulins. IgG1 chain constitutes 66 % of the IgG subclass and has a high affinity for binding to the Fc receptor of phagocytic cells. Secondary Antibodies are available in a variety of formats and conjugate types. 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 composition.</p>

Application Details

Application Notes:	<p>Immunohistochemistry Dilution: 1:200 - 1:1,000</p> <p>Application Note: Mouse IgG1 secondary antibody conjugated to Alkaline Phosphatase is available in a variety of formats. Anti Mouse IgG1 secondary antibody conjugate is suitable for ELISA, Immunohistochemistry western blotting as well as other anti IgG1 antibody based assays.</p> <p>ELISA Dilution: 1:5,000</p> <p>Western Blot Dilution: 1:500 - 1:2,500</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	<p>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</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</p> <p>Preservative: 0.01 % (w/v) Sodium Azide</p>
Preservative:	Sodium azide

Handling

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: **Do not freeze!** Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.

Do not add Sodium azide.

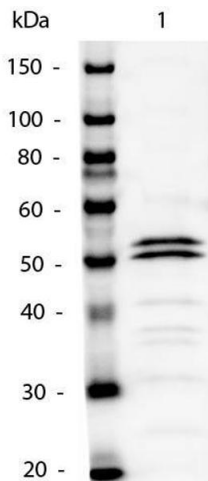
Dilute only prior to immediate use

Each reagent is stable for the period shown on the bottle label if stored as directed.

Storage: 4 °C

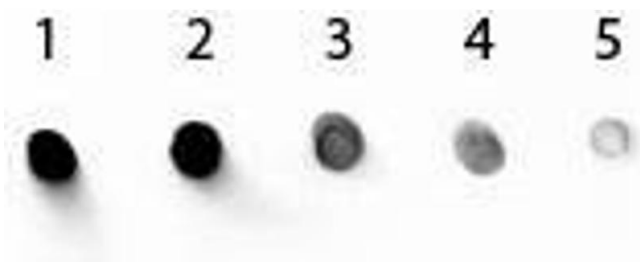
Expiry Date: 12 months

Images



Western Blotting

Image 1. Western Blot of Mouse IgG1 Secondary Antibody Alkaline Phosphatase Conjugated. Lane 1: Mouse IgG1. Lane 2: none. Load: 50ng per lane. Primary antibody: none. Secondary antibody: Mouse IgG1 Secondary Antibody Alkaline Phosphatase Conjugated at 1:1,000 o/n at 4°C. Block: ABIN925618 for 30 min at RT. Reaction visualized using alkaline phosphatase substrate for 30 seconds. Predicted/Observed size: 55 kDa for Mouse IgG1.



Dot Blot

Image 2. Dot Blot of Mouse IgG1 Secondary Antibody Alkaline Phosphatase Conjugated. Antigen: Mouse IgG1. Load: Lane 1 - 200ng Lane 2 - 66.7ng Lane 3 - 22.2ng Lane 4 - 7.4ng Lane 5 - 2.5ng. Primary antibody: none. Secondary antibody: Mouse IgG1 Secondary Antibody Alkaline Phosphatase Conjugated at 1:1,000 for one hour at RT. Block: ABIN925618 for 60 min at RT. Reaction visualized using alkaline phosphatase substrate for 30 seconds at RT.