

Datasheet for ABIN101868

## Rabbit anti-Mouse IgG (Fc Region) Antibody (Alkaline Phosphatase (AP))



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### 3 Images

#### Overview

Quantity:	1 mg
Target:	IgG
Binding Specificity:	Fc Region
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Alkaline Phosphatase (AP)
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB), Dot Blot (DB)

#### Product Details

Purpose:	Mouse IgG Fc Antibody Alkaline Phosphatase Conjugated
Immunogen:	Optional[Immunogen]: Mouse IgG F(c) fragment
Isotype:	IgG
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Alkaline Phosphatase (calf intestine), anti-Rabbit Serum, Mouse IgG, Mouse IgG F(c) and Mouse Serum. No reaction was observed against Mouse IgG F(ab).
Characteristics:	Anti-Mouse IgG Alkaline Phosphatase antibody generated in rabbit detects reactivity to Mouse IgG.
Purification:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities.

## Product Details

Sterility: Sterile filtered

## Target Details

Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

Background: Receptors bind the Fc portion of mouse IgG and often this fragment is removed from immunoglobulins to minimize receptor binding and lower background reactivity.

## Application Details

Application Notes: Application Note: Anti-Mouse IgG F(c) Alkaline Phosphatase conjugate has been tested by dot blot and ELISA and is suitable for immunoblotting (western or dot blot), ELISA, immunoelectron microscopy and immunohistochemistry as well as other antibody-based enzymatic assays requiring lot-to-lot consistency. Immunohistochemistry Dilution: 1:200 - 1:1,000 Western Blot Dilution: 1:500 - 1:2,500 ELISA Dilution: 1:5,000 - 1:15,000 Other: User Optimized

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1.0 mg/mL

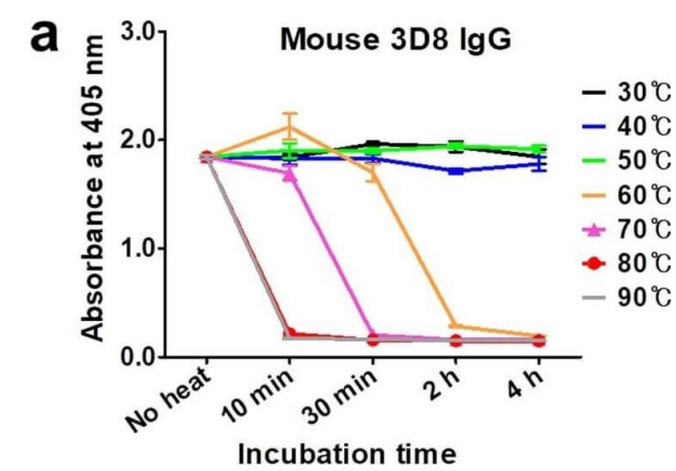
Buffer: 0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50 % (v/v) Glycerol, pH 8.0  
Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free  
, Preservative: 0.01 % (w/v) Sodium Azide

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 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.



ELISA

**Image 1.** ELISA and SDS-PAGE analysis under thermal stress. (a,c,e) ELISA of the antigen-binding activity of 3D8 antibodies. Purified 3D8-derived antibodies were heated under the specified conditions, placed in wells coated with plasmid DNA antigen (pUC19), and bound 3D8 antibodies were detected with AP-conjugated antibodies specific for mouse IgG/Fc (a), human IgG/Fc (b), or chicken IgY/ chain (c). Data are presented as mean±SD (n=3). (b,d,f) SDS-PAGE analysis of antibody integrity. Purified 3D8 antibodies were heated under the specified conditions then subjected to SDS-PAGE under reducing conditions using a 12 % polyacrylamide gel, followed by staining with Coomassie Blue. Figure provided by CiteAb. Source: Sci Rep, PMID: 31848417.

ELISA

**Image 2.** ELISA Results of Rabbit Anti-Mouse IgG F(c) Antibody Alkaline Phosphatase Conjugated tested against purified Mouse IgG F(c) Alk Phos. Each well was coated in duplicate with 1.0 µg of Mouse IgG F(c) (p/n 010-0103). The working dilution is 1: 12,500. 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 Conjugated Stabilizer (p/n MB-076), ELISA Alkaline Phosphatase Conjugation Buffer (p/n NPP-10), NPP Working Buffer (p/n NPP-B500).

