

## Datasheet for 611-1523

## Rabbit IgG Fc Antibody Alkaline Phosphatase Conjugated Pre-Adsorbed

### Overview

<b>Description:</b>	Goat Anti-Rabbit IgG Fc Antibody Alkaline Phosphatase Conjugated (Min X Human Serum Proteins) - 611-1523
<b>Item No.:</b>	611-1523
<b>Size:</b>	1 mg
<b>Applications:</b>	Dot Blot, ELISA
<b>Reactivity:</b>	Rabbit
<b>Host Species:</b>	Goat

### Product Details

<b>Background:</b>	Anti-Rabbit IgG F(c) alkaline phosphatase antibody generated in goat is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme papain under controlled conditions of temperature, time and pH. Receptors bind the Fc portion of rabbit IgG and often this fragment is removed from immunoglobulins to minimize receptor binding and lower background reactivity.
<b>Synonyms:</b>	Goat anti-Rabbit IgG F(c) Antibody alkaline phosphatase Conjugation, Goat anti-Rabbit IgG Fc fragment Antibody alkaline phosphatase Conjugation, Goat anti-Rabbit IgG F(c) alk phos Conjugated Antibody
<b>Host Species:</b>	Goat
<b>Specificity:</b>	IgG Fc
<b>Conjugate:</b>	Alkaline Phosphatase (AP)
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

### Target Details

<b>Reactivity:</b>	Rabbit
<b>Immunogen:</b>	Rabbit IgG F(c) fragment

**Purity/Specificity:** This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rabbit IgG 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, Rabbit IgG, Rabbit IgG F(c) and Rabbit Serum. No reaction was observed against Rabbit IgG F(ab) or Human Serum Proteins.

## Application Details

**Tested Applications:** Dot Blot, ELISA

**Application Note:** Anti-Rabbit IgG F(c) alkaline phosphatase antibody has been tested by ELISA and dot blot and is assayed against 1.0 µg of Rabbit IgG in a standard capture ELISA using pNPP p-nitrophenyl phosphate code # NPP-10 as a substrate for 30 minutes at room temperature. A working dilution of 1:3,000 to 1:15,000 is suggested for this product.

**Assay Dilutions:** All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

**ELISA:** 1:2,000 - 1:10,000

**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:** 0.05% (w/v) Sodium Azide

**Stabilizer:** 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

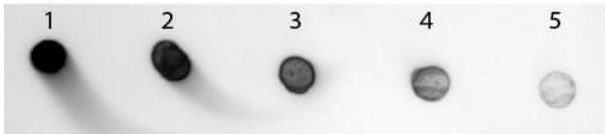
## Shipping & Handling

**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.

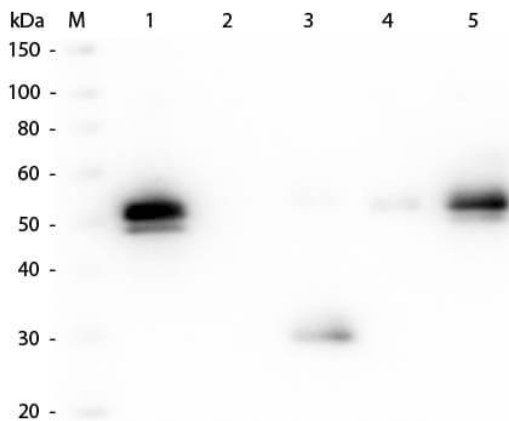
**Expiration:** Expiration date is one (1) year from date of receipt.

## Images



### Dot Blot

Dot Blot of Goat anti-Rabbit IgG Fc Antibody (Min X Human) Alkaline Phosphatase Conjugated. Antigen: Rabbit IgG Fc. Load: Lane 1 - 200 ng Lane 2 - 66.67 ng Lane 3 - 22.22 ng Lane 4 - 7.41 ng Lane 5 - 2.47 ng. Primary antibody: none. Secondary antibody: Goat anti-Rabbit IgG Fc Antibody (Min X Human) Alkaline Phosphatase Conjugated at 1:1,000 for 60 min at RT. Block: MB-070 for 60 min at RT. Visualized using NBT-100 Alkaline Phosphatase Substrate for 30 seconds at RT.



### Western Blot

Western Blot of Anti-Rabbit IgG F(c) (GOAT) Antibody (p/n 611-1103). Lane M: 3 µl Molecular Ladder. Lane 1: Rabbit IgG whole molecule (p/n 011-0102). Lane 2: Rabbit IgG F(ab) Fragment (p/n 011-0105). Lane 3: Rabbit IgG F(c) Fragment (p/n 010-0103). Lane 4: Rabbit IgM Whole Molecule (p/n 011-0107). Lane 5: Normal Rabbit Serum (p/n B309). All samples were reduced. Load: 50 ng of IgG, F(ab), IgM and Serum, 100 ng of F(c). Block: MB-070 for 30 min at RT. Primary Antibody: Anti-Rabbit IgG F(c) (GOAT) Antibody (p/n 611-1103) 1:2,000 for 60 min at RT. Secondary antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody (p/n CUST10) 1:40,000 in MB-070 for 30 min at RT. Predicted/Observed Size: 25 and 50 kDa for Rabbit IgG and Serum, 25 kDa for F(c) and F(ab), 70 and 23 kDa for IgM. Rabbit F(c) migrates slightly higher.

## Disclaimer

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