

**Mouse IgG<sub>3</sub>  
Antibody  
Alkaline Phosphatase Conjugated**

*Produced in Goat*

**Catalog No.**    **Size**  
A90-111AP        1 ml



**Conditions**

Storage: 2 - 8<sup>0</sup> C  
Antibody Concentration: 0.1 mg/ml  
Physical State: Liquid  
Buffer: 50 mM HEPES pH 7.1, 0.1 M NaCl, 1 mM MgCl<sub>2</sub>,  
          0.1 mM ZnCl<sub>2</sub>  
Stabilizing Agent: 0.2 % BSA  
Preservative: 0.1% Sodium Azide  
Shelf life: 1 year from date of receipt

**Production Procedures**

Antiserum was solid phase adsorbed to ensure subclass specificity. The antibody was isolated by affinity chromatography using antigen coupled to agarose beads and conjugated to alkaline phosphatase (alkphos).  
  
Antibody concentration was determined by extinction coefficient prior to conjugation: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.  
  
Molar enzyme:antibody protein ratio is 1:1.  
  
By immunoelectrophoresis and ELISA this antibody reacts specifically with mouse IgG<sub>3</sub>. Cross reactivity with other immunoglobulins is less than 2%.  
  
This antibody may cross react with IgG<sub>3</sub> from other species.

**Notes**

Country of Origin: USA  
  
For use in Research and Manufacturing only; not for use in diagnostic applications.

**Applications**

Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.  
  
Suggested starting dilutions are as follows.  
  
ELISA: 1:500 – 1:5,000  
Western Blot: 1:100 – 1:1,000  
Histo/Cytochemistry: 1:200 – 1:500  
  
In some cases, the antibody may be diluted further than indicated.

**Related Products**

G x-Mouse IgG <sub>3</sub> affinity purified	A90-111A
G x-Mouse IgG <sub>3</sub> FITC conjugated	A90-111F
G x-Mouse IgG <sub>3</sub> HRP conjugated	A90-111P
Mouse IgG <sub>3</sub> ELISA Kit	E90-111
Mouse Reference Serum	RS10-101

G = Goat

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## MATERIAL SAFETY DATA SHEET

### Contents Description

This product contains alkaline phosphatase conjugated goat immunoglobulin G (IgG) protein in 50 mM HEPES pH 7.1, 0.1 M NaCl, 1 mM MgCl<sub>2</sub>, 0.1 mM ZnCl<sub>2</sub> with 0.2% BSA and 0.1% NaN<sub>3</sub>.

### Hazardous Ingredients

Goat IgG Protein - No known toxicity for this biological material.

Alkaline Phosphatase - No known toxicity for this calf intestine material.

Bovine Serum Albumin (BSA) - No known toxicity for this biological material.

Sodium Azide (NaN<sub>3</sub>) - AZIDE FORMS EXPLOSIVE CHEMICAL COMPOUNDS WITH LEAD AND COPPER PLUMBING. CARE MUST BE TAKEN TO WASH WASTE DOWN DRAINS WITH LARGE VOLUMES OF WATER.

LD50 oral mouse - 27 mg/kg.

Wash all affected areas with large volumes of water and if swallowed consult your physician immediately.

The above information is believed to be correct but does not purport to be all inclusive and is intended to be used only as a guide. Bethyl Laboratories, Inc. shall not be liable or responsible in any way for use of either this information or the material supplied. Disposal of hazardous material may be subject to federal, state, or local laws or regulations.