

**Mouse IgG<sub>3</sub>  
Antibody  
HRP conjugated**

*Produced in Goat*

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



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**Conditions**

Storage: 2 - 8<sup>o</sup> C  
Antibody Concentration: 1 mg/ml  
Physical State: Liquid  
Buffer: 50 mM HEPES, pH 7.1, 0.1 M NaCl  
Stabilizing Agent: 0.2 % BSA  
Preservative: 0.01% Thimerosal  
Shelf life: 1 year from date of receipt

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**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 horseradish peroxidase (HRP).  
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 4:1.  
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.

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**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: 1:10,000 – 1/100,000  
Western Blots  
Colorimetric detection: 1:1,000 – 1:10,000  
Chemiluminescent detection: 1:1,000 – 1:30,000  
Histo/Cytochemistry: 1:200 – 1:500

In some cases, the antibody may be diluted further than indicated.

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**Related Products**

G x-Mouse IgG <sub>3</sub> affinity purified	A90-111A
G x-Mouse IgG <sub>3</sub> alkphos conjugated	A90-111AP
G x-Mouse IgG <sub>3</sub> FITC conjugated	A90-111F
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 HRP conjugated goat immunoglobulin G (IgG) protein in 50 mM HEPES pH 7.1, 0.1 M NaCl with 0.2% BSA and 0.01% Thimerosal.

### Hazardous Ingredients

Goat IgG - No known toxicity for this biological material.

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

Horseradish peroxidase (HRP) - No known toxicity for this plant material.

Thimerosal - May be fatal if inhaled, swallowed or absorbed through the skin. Can cause eye and skin irritation. Wash all affected areas with large volumes of water. If swallowed consult your physician immediately. If inhaled remove to fresh air. If necessary, give artificial respiration by mouth-to-mouth.

LD50 oral rat - 75 mg/kg.

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.