

**Goat IgG (h&l) Antibody**  
(chicken, horse, human, mouse,  
pig, rabbit & rat adsorbed)  
**HRP conjugated**

*Produced in Donkey*

**Catalog No.**    **Size**  
A50-201P        1 ml



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**Conditions**

Storage: 2 - 8<sup>o</sup> C

Antibody Concentration: 0.5 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 cross adsorbed using chicken, horse, human, mouse, pig, rabbit and rat immunosorbents to remove cross reactive antibodies. The antibody to goat IgG was isolated by affinity chromatography using antigen coupled to agarose beads and conjugated to horseradish peroxidase (HRP).

Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

By immunoelectrophoresis and ELISA this antibody reacts specifically with goat IgG and with light chains common to other goat immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. Less than 0.1% cross reactivity to chicken, horse, human, mouse, pig, rabbit and rat IgG was detected.

This antibody may cross react with IgG 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.

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**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**

D x-Goat IgG (h&l) affinity purified cross adsorbed	A50-201A
D x-Goat IgG (h&l) FITC conj. cross adsorbed	A50-201F
R x-Goat IgG (h&l) affinity purified cross adsorbed	A50-200A
R x-Goat IgG (h&l) alkphos conj. cross adsorbed	A50-200AP
R x-Goat IgG (h&l) FITC conjugated cross adsorbed	A50-200F
R x-Goat IgG (h&l) HRP conjugated cross adsorbed	A50-200P

D = Donkey

R = Rabbit

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## MATERIAL SAFETY DATA SHEET

### Contents Description

This product contains HRP conjugated donkey 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

Donkey 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.