

Goat IgG-heavy and light chain Antibody

minimum reactivity to chicken, horse, human, mouse, pig & rat

Alkaline Phosphatase conjugated

Produced in Rabbit

Whole IgG

Catalog No.

A50-200AP



Storage:	2 - 8 C
Amount:	1 ml at 0.5 mg/ml
Buffer:	50 mM HEPES pH 7.1, 0.1 M NaCl, 1 mM MgCl ₂ , 0.1 mM ZnCl ₂ containing 0.09% NaN ₃
Shelf Life:	1 year from date of receipt
Physical State:	Liquid
Purity:	Antigen Affinity Purified
Production Procedures:	Antiserum was cross adsorbed using chicken, horse, human, mouse, pig 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 alkaline phosphatase (alkphos).

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.

Country of Origin: USA

Notes: For In vitro laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

This product may not be resold or modified for resale without the prior written approval of Bethyl Laboratories, Inc.

Applications: Not all listed applications have been specifically tested. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilutions immediately before use. Suggested starting dilutions are:

ELISA: 1:5,000 – 1:50,000

Western Blot: 1:2,500 - 1:25,000

Immunohistochemistry: 1:100 - 1:1,000

Immunocytochemistry: 1:100 - 1:1,000

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

Related Products:

Rabbit anti-Goat IgG-heavy and light chain cross-adsorbed Antibody Affinity Purified	A50-200A
Rabbit anti-Goat IgG-heavy and light chain cross-adsorbed Antibody FITC Conjugated	A50-200F
Rabbit anti-Goat IgG-heavy and light chain cross-adsorbed Antibody HRP Conjugated	A50-200P
Donkey anti-Goat IgG-heavy and light chain cross-adsorbed Antibody Affinity Purified	A50-201A
Donkey anti-Goat IgG-heavy and light chain cross-adsorbed Antibody FITC Conjugate	A50-201F
Donkey anti-Goat IgG-heavy and light chain cross-adsorbed Antibody HRP Conjugated	A50-201P

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MATERIAL SAFETY DATA SHEET

Contents Description

This product contains Alkaline Phosphatase conjugated Rabbit Whole IgG protein in 50 mM HEPES pH 7.1, 0.1 M NaCl, 1 mM MgCl₂, 0.1 mM ZnCl₂ containing 0.09% NaN₃.

Hazardous Ingredients

Rabbit Whole IgG - No known toxicity for this biological material.

Bovine Serum Albumin (BSA) - No known toxicity for this biological material. (Applies only to buffers containing BSA.)

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

Sodium Azide (NaN₃) - 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.