

Rat IgG-heavy and light chain Antibody

F(ab')₂ Donkey Polyclonal Conjugate Alkaline Phosphatase

Antigen Affinity Purified

Catalog No. A110-142AP

Lot No. A110-142AP-1



APPLICATIONS	WB, IHC, ICC, ELISA
SPECIES REACTIVITY	Rat
ISOTYPE	IgG
AMOUNT	1 ml at 0.5 mg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	50 mM HEPES pH 7.1, 0.1 M NaCl, 1 mM MgCl ₂ , 0.1 mM ZnCl ₂ containing 0.2% BSA and 0.09% NaN ₃
ORIGIN	USA

PRODUCTION PROCEDURES The antibody to rat IgG was isolated by affinity chromatography using antigen coupled to agarose beads. F(ab')₂ fragments were generated using a pepsin digestion. Fc fragments and whole IgG molecules were removed. F(ab')₂ fragments were conjugated to alkaline phosphatase.

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 rat IgG and with light chains common to other rat immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. This antibody may cross react with IgG from other species.

APPLICATIONS Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot	1:2,500 – 1:25,000
Immunohistochemistry	1:100 – 1:1,000
Immunocytochemistry	1:100 – 1:1,000
ELISA	1:2,500 – 1:25,000

APPLICATION NOTES Not all listed applications have been specifically tested by our laboratory.

ADDITIONAL INFO <https://www.bethyl.com/product/A110-142AP>
Use the link above to view SDS, a current list of citations, and other product specific information.

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Eric McIntush, PhD | Chief Scientific Officer

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