

# Rat IgG-heavy and light chain Antibody

F(ab')<sub>2</sub> Donkey Polyclonal                      Conjugate    Biotin

Antigen Affinity Purified

Catalog No.    A110-142B

Lot No.            A110-142B-5



**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**                                Phosphate Buffered Saline (PBS) containing 0.2% BSA and 0.09% Sodium Azide

**ORIGIN**                                 USA

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

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                            1:20,000 - 1:400,000

Immunohistochemistry            1:500 - 1:5,000

Immunocytochemistry            1:200 - 1:1,000

ELISA                                      1:20,000 - 1:400,000

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

**ADDITIONAL INFO**                <https://www.bethyl.com/product/A110-142B>  
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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