

Rabbit IgG Heavy and Light Chain Cross-Adsorbed Antibody

Donkey Polyclonal Conjugate DyLight® 488

Antigen Affinity Purified

Catalog No. A120-208D2

Lot No. A120-208D2-15

APPLICATIONS	WB, IHC, ICC, F, IF
SPECIES REACTIVITY	Rabbit. Minimum reactivity to bovine, chicken, goat, human, mouse, pig and rat
AMOUNT	1 ml
CONCENTRATION	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
FLUOROPHORE/PROTEIN	6.2
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antiserum was cross adsorbed using bovine, chicken, goat, human, mouse, pig and rat immunosorbents to remove cross reactive antibodies. The antibody to rabbit IgG was isolated by affinity chromatography using antigen coupled to agarose beads and conjugated to DyLight® 488.

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 rabbit IgG and with light chains common to other rabbit immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. Less than 0.1% cross reactivity to bovine, chicken, goat, human, mouse, pig and rat IgG was detected. 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 1:1,000 – 1:20,000. 5% non-fat dry milk in PBST or TBST is recommended for blocking and incubation of antibodies. BSA is not recommended.

Immunohistochemistry 1:25 – 1:250

Immunocytochemistry 1:25 – 1:400

Flow Cytometry 1:50 – 1:200

Immunofluorescence 1:25 – 1:400

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

DyLight® 488 is excited at 493 (in PBS) and emits at 518 (in PBS).

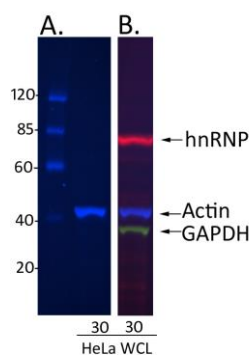
DyLight® is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

ADDITIONAL INFO <https://www.bethyl.com/product/A120-208D2>

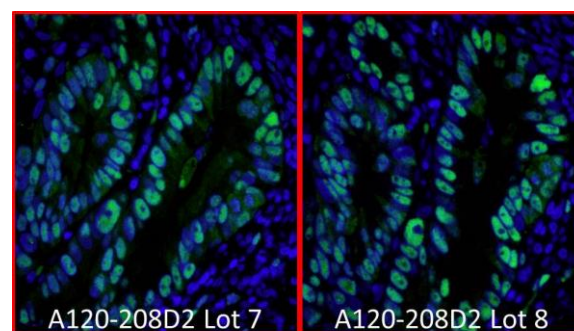
Use the link above to view SDS, a current list of citations, and other product specific information.

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

Date: September 28, 2021



Fluorescent western blot Analysis Demonstrating Diminished Cross-reactivity of donkey anti-rabbit IgG Cross-adsorbed Secondary Antibody with goat and mouse IgG. (A) HeLa whole cell lysate (30 µg) was blotted and incubated with a cocktail of mouse anti-hnRNP A500-011A (A500-011A-1), rabbit anti-actin A300-491A (A300-491A-5), and goat anti-GAPDH A303-878A (A303-878A-1) at 1 µg/ml each. For detection, the blot was incubated with 0.5 µg/ml donkey anti-rabbit IgG heavy and light chain cross-adsorbed antibody conjugated to Dylight® 488 A120-208D2 (A120-208D2-5). Donkey anti-rabbit IgG heavy and light chain cross-adsorbed antibody (A120-208D2) specifically detected rabbit anti-actin A300-491A (blue) and showed no cross-reactivity with the goat anti-GAPDH and mouse anti-hnRNP primary antibodies. (B) GAPDH, actin, and hnRNP were detected in a parallel strip incubated with the primary antibody cocktail used in (A), and a secondary antibody cocktail of Dylight® 800-conjugated donkey anti-mouse A90-337D8 (A90-337D8-2)(red), Dylight® 488-conjugated donkey anti-rabbit A120-208D2 (A120-208D2-5) (blue), and Dylight® 488-conjugated donkey anti-goat A50-201D6 (A50-201D6-1) (green) at 0.5 µg/ml each.



Detection of human PCNA by immunofluorescence.

Samples: FFPE sections of human stomach carcinoma.

Primary Antibody: Affinity purified rabbit anti-PCNA (Cat. No. IHC-00012 Lot1) used at a dilution of 1:100.

Secondary Antibody: Green-fluorescent donkey anti-rabbit IgG-heavy and light chain cross-adsorbed Antibody DyLight® 488 Conjugated (A120-208D2 Lot 7 and Lot 8) used at a dilution of 1:50 (10 µg/ml). *Counterstain:* DAPI (blue)