

Mouse IgG Heavy and Light Chain Cross-Adsorbed Antibody

Goat Polyclonal Conjugate DyLight® 488

Antigen Affinity Purified

Catalog No. A90-516D2

Lot No. 15

APPLICATIONS	WB, IHC, ICC, Flow Cyt, IF
SPECIES REACTIVITY	Mouse. Minimum reactivity to bovine, chicken, horse, human, pig, rabbit 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	6.5
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antiserum was cross adsorbed using bovine, chicken, horse, human, pig rabbit and rat immunosorbents to remove cross reactive antibodies. The antibody to mouse IgG was isolated by affinity chromatography using antigen coupled to agarose beads and conjugated to DyLight® 488.

Immunoglobulin concentration was determined using Beer's Law where 1mg/mL IgG has an A280 of 1.4.

By immunoelectrophoresis and ELISA this antibody reacts specifically with mouse IgG and with light chains common to other mouse immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. Less than 1% cross reactivity to bovine, chicken, horse, human, pig, rabbit 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 1:1000 – 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 1:40 – 1:400

Immunocytochemistry 1:50 – 1:500

Flow Cytometry 1:500 – 1:2000

Immunofluorescence 1:40 – 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.

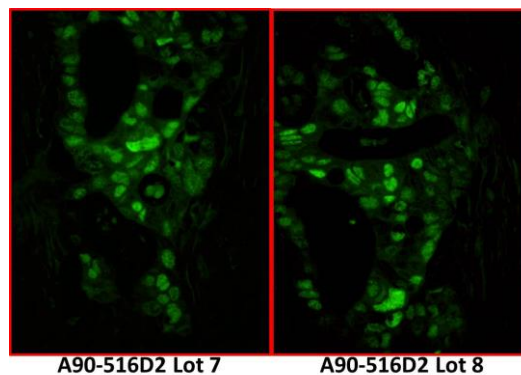
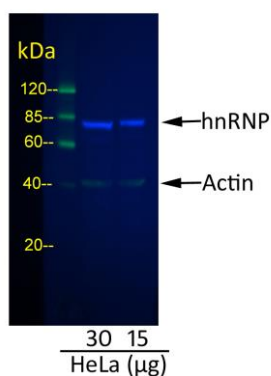
ADDITIONAL INFO <https://www.fortislife.com/p/A90-516D2>

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: January 19, 2024

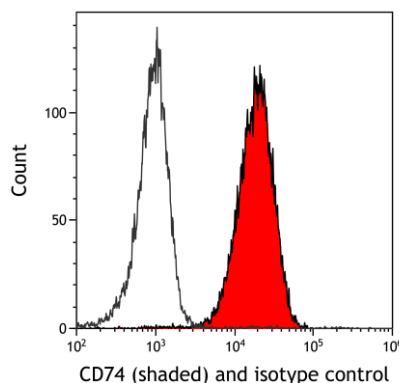


Detection of Actin and hnRNP in HeLa Whole Cell Lysate.

Primary Antibodies: cocktail of rabbit anti-Actin A300-491A and mouse anti-hnRNP A500-011A at 1 µg/ml each. *Secondary Antibodies:* cocktail of Dylight® 800-conjugated goat anti-rabbit A120-201D8 (green) and Dylight® 488-conjugated goat anti-mouse A90-516D2 (blue) at 0.5 µg/ml each. *Acquisition:* Syngene G:Box, 17 seconds (green) and 34 seconds (blue).

Detection of human p53 by immunofluorescence.

Samples: FFPE sections of human stomach carcinoma. *Primary Antibody:* mouse anti-p53 (clone DO-1) used at a dilution of 1:100. *Secondary Antibody:* Green-fluorescent goat anti-mouse IgG-heavy and light chain cross-adsorbed Antibody DyLight® 488 Conjugated A90-516D2 (left) and A90-516D2 (right) used at a dilution of 1:50 (10 µg/ml).



Detection of human CD74 (shaded) in Ramos cells by flow cytometry. *Antibody:* Mouse anti-CD74 recombinant monoclonal [LN2] (A500-023A) or isotype control (unshaded). *Secondary:* DyLight® 488-conjugated goat anti-mouse IgG (A90-516D2).