

Mouse IgG Heavy and Light Chain Cross-Adsorbed Antibody

Rabbit Polyclonal Conjugate DyLight® 488

Antigen Affinity Purified

Catalog No. A90-317D2

Lot No. A90-317D2-11

APPLICATIONS	WB, IHC, ICC, F, IF										
SPECIES REACTIVITY	Mouse. Minimum reactivity to human 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	<p>Antiserum was cross adsorbed using human 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.</p> <p>Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.</p> <p>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 human and rat IgG was detected. This antibody may cross react with IgG from other species.</p>										
APPLICATIONS	<p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <table><tr><td>Western Blot</td><td>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.</td></tr><tr><td>Immunohistochemistry</td><td>1:40 – 1:400</td></tr><tr><td>Immunocytochemistry</td><td>1:40 – 1:500</td></tr><tr><td>Flow Cytometry</td><td>1:50 – 1:200</td></tr><tr><td>Immunofluorescence</td><td>1:40 – 1:500</td></tr></table>	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	1:40 – 1:400	Immunocytochemistry	1:40 – 1:500	Flow Cytometry	1:50 – 1:200	Immunofluorescence	1:40 – 1:500
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	1:40 – 1:400										
Immunocytochemistry	1:40 – 1:500										
Flow Cytometry	1:50 – 1:200										
Immunofluorescence	1:40 – 1:500										
APPLICATION NOTES	<p>Not all listed applications have been specifically tested by our laboratory.</p> <p>DyLight® 488 is excited at 493 (in PBS) and emits at 518 (in PBS).</p> <p>DyLight® is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.</p>										
ADDITIONAL INFO	<p>https://www.bethyl.com/product/A90-317D2</p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</p>										

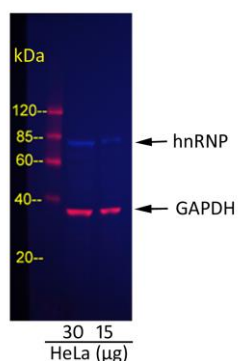
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Michael Spencer, PhD

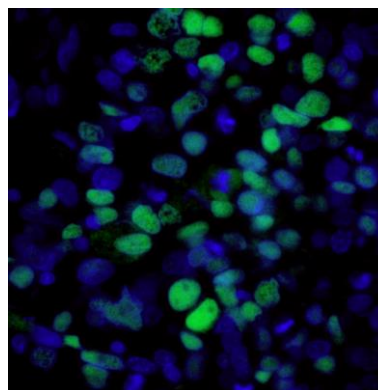
Date: October 25, 2021

Phone: 800.338.9579 • Fax: 866.597.6105 • Web: www.bethyl.com
Orders: orders@fortislife.com • Support: technical@fortislife.com

1



Detection of GAPDH and hnRNP in HeLa Whole Cell Lysate. *Primary Antibodies:* cocktail of goat anti-GAPDH A303-878A (A303-878A-1) and mouse anti-hnRNP A500-011A (A500-011A-1) at 1 µg/ml each. *Secondary Antibodies:* cocktail of Dylight® 680-conjugated rabbit anti-goat A50-200D6 (A50-200D6-1) (red) and Dylight® 488-conjugated rabbit anti-mouse A90-317D2 (A90-317D2-3) (blue) at 0.5 µg/ml each. *Acquisition:* Syngene G:Box, 39 seconds (red) and 60 seconds (blue).



Detection of human p53 by immunofluorescence. *Sample:* FFPE section of human breast carcinoma. *Primary Antibody:* mouse anti-p53 (clone DO-1) used at a dilution of 1:100. *Secondary Antibody:* Green-fluorescent Rabbit anti-mouse IgG-heavy and light chain cross-adsorbed Antibody DyLight® 488 Conjugated (A90-317D2 Lot 6) used at a dilution of 1:100 (5µg/ml). *Counterstain:* DAPI (blue)