

BETHYL | **FORTIS**
LABORATORIES, INC. | LIFE SCIENCES

Conjugate DyLight® 800

Catalog No. A80-304D8

Lot No. 15

| | | | | | | | | | |
|------------------------------|---|----------------------|--------------|---------------------|--------------|----------------|--------------|--------------------|--------------|
| APPLICATIONS | IHC, ICC, Flow Cyt, IF | | | | | | | | |
| SPECIES REACTIVITY | Human. Minimum reactivity to bovine, chicken, horse, mouse, rabbit, rat and sheep | | | | | | | | |
| 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 | 4.3 | | | | | | | | |
| ISOTYPE | IgG | | | | | | | | |
| ORIGIN | USA | | | | | | | | |
| PRODUCTION PROCEDURES | <p>Antiserum was solid phase adsorbed to ensure class specificity. Antiserum was cross adsorbed using bovine, chicken, horse, mouse, rabbit, rat and sheep immunosorbents to remove cross reactive antibodies. The antibody to human IgG was isolated by affinity chromatography using antigen coupled to agarose beads and conjugated to DyLight® 800.</p> <p>Immunoglobulin concentration was determined using Beer's Law where 1 mg/mL IgG has an A280 of 1.4.</p> <p>By immunoelectrophoresis and ELISA this antibody reacts specifically with human IgG. Cross reactivity with IgA and IgM is negligible. No antibody was detected against non-immunoglobulin serum proteins. Less than 1% cross reactivity to bovine, chicken, horse, mouse, rabbit, rat and sheep 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 border="0"> <tr> <td>Immunohistochemistry</td><td>1:50 – 1:500</td></tr> <tr> <td>Immunocytochemistry</td><td>1:50 – 1:500</td></tr> <tr> <td>Flow Cytometry</td><td>1:50 – 1:200</td></tr> <tr> <td>Immunofluorescence</td><td>1:50 – 1:500</td></tr> </table> | Immunohistochemistry | 1:50 – 1:500 | Immunocytochemistry | 1:50 – 1:500 | Flow Cytometry | 1:50 – 1:200 | Immunofluorescence | 1:50 – 1:500 |
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| Immunocytochemistry | 1:50 – 1:500 | | | | | | | | |
| Flow Cytometry | 1:50 – 1:200 | | | | | | | | |
| Immunofluorescence | 1:50 – 1:500 | | | | | | | | |
| APPLICATION NOTES | <p>Not all listed applications have been specifically tested by our laboratory.</p> <p>DyLight® 800 is excited at 770 (in PBS) and emits at 794 (in PBS).</p> | | | | | | | | |
| ADDITIONAL INFO | <p>DyLight® is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.</p> <p>https://www.fortislife.com/p/A80-304D8</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: May 8, 2025