

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

Conjugate DyLight® 680

Catalog No. A80-304D6

Lot No. 16

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								
ISOTYPE	IgG								
ORIGIN	USA								
PRODUCTION PROCEDURES	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® 680. Immunoglobulin concentration was determined using Beer's Law where 1 mg/mL IgG has an A280 of 1.4. 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.								
APPLICATIONS	Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use. <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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Immunofluorescence	1:50 – 1:500								
APPLICATION NOTES	Not all listed applications have been specifically tested by our laboratory. DyLight® 680 is excited at 682 (in PBS) and emits at 715 (in PBS).								
ADDITIONAL INFO	DyLight® is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries. https://www.fortislife.com/p/A80-304D6 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: March 27, 2025