

Rabbit IgG-heavy and light chain cross-adsorbed Antibody

F(ab')₂ Donkey Polyclonal Conjugate DyLight® 488
Antigen Affinity Purified
Catalog No. A120-216D2



APPLICATIONS	IHC, ICC, IF, F								
REACTIVITY TESTED	Rabbit. Minimum reactivity to bovine, chicken, goat, human, mouse, rat & sheep.								
ISOTYPE	IgG								
AMOUNT	1 ml at 0.5 mg/ml								
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt								
PHYSICAL STATE	Liquid								
FLUOROPHORE/PROTEIN	5.8								
BUFFER	Phosphate Buffered Saline (PBS) containing 0.2% BSA and 0.09% Sodium Azide								
ORIGIN	USA								
PRODUCTION PROCEDURES	<p>Antiserum was cross adsorbed using bovine, chicken, goat, human, mouse, rat and sheep immunosorbents to remove cross reactive antibodies. The antibody to rabbit IgG was isolated by affinity chromatography using antigen coupled to agarose beads. F(ab')₂ fragments were generated using a pepsin digestion. Fc fragments and whole IgG molecules have been removed. Fragments were 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 rabbit IgG and with light chains common to other rabbit immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. Less than 1% cross reactivity to bovine, chicken, goat, human, mouse, 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><tr><td>Immunohistochemistry</td><td>1:50 - 1:500</td></tr><tr><td>Immunocytochemistry</td><td>1:50 - 1:500</td></tr><tr><td>Immunofluorescence</td><td>1:50 - 1:500</td></tr><tr><td>Flow Cytometry</td><td>1:50 - 1:200</td></tr></table>	Immunohistochemistry	1:50 - 1:500	Immunocytochemistry	1:50 - 1:500	Immunofluorescence	1:50 - 1:500	Flow Cytometry	1:50 - 1:200
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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>http://www.bethyl.com/product/A120-216D2</p> <p>Use the link above to view a current list of citations and other product specific information.</p>								

MATERIAL SAFETY DATA SHEET

CONTENTS This product contains DyLight® 488 conjugated Donkey F(ab')₂ protein in Phosphate Buffered Saline (PBS) containing 0.2% BSA and 0.09% Sodium Azide.

INGREDIENT DESCRIPTIONS **NON-HAZARDOUS:**

DyLight® 488 – Not a hazardous material.

Bovine Serum Albumin (BSA) – This product was derived from animals free of infectious or contagious diseases of U.S. Origin. No known toxicity for this biological material.

HAZARDOUS:

Sodium Azide (NaN₃): Azide forms explosive chemical compounds with lead and copper plumbing. Care must be taken to wash waste down drains with large volumes of water. LD50 oral mouse 27 mg/kg. Wash all affected areas with large volumes of water and if swallowed consult your physician immediately.