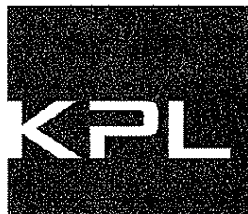


**DyLight™ 488 - Labeled**  
**Antibody To Mouse IgG (H+L)**  
*(Rabbit and Human Serum Adsorbed)*  
*Produced in Goat*



**Catalog No.**            **Size**  
**072-03-18-18**        **1.0 mg**

#### **DESCRIPTION**

Affinity purified antibody isolated from a pool of serum from goats immunized with purified mouse IgG was labeled with DyLight 488 using a proprietary method. DyLight conjugates provide increased brightness and greater photostability than other fluorophores (ex. – FITC). This conjugate is designed for use in immunofluorescence assays, including flow cytometry, immunohistology, Western blotting, microarrays and FLISA.

#### **FORM/STORAGE**

Lyophilized. Store at 2-8°C until rehydrated. Stable for a minimum of 1 year when stored at 2-8°C.

#### **STABILIZER AND PRESERVATIVE**

IgG free bovine serum albumin (BSA) is added as a protein stabilizer. Non-sterile.

#### **ANTIBODY CONCENTRATION**

The quantity of affinity purified antibody is 1.0 mg as determined by UV absorbance at 280 nm. Upon rehydration with water, the solution will contain 1% BSA, 100 mM phosphate, 150 mM sodium chloride, 0.02% sodium azide, pH 7.4. The conjugate will be at a concentration of 1.0 mg/mL.

#### **F/P RATIO**

Molar fluorophore/antibody protein ratio is from 5:1 – 10:1.

#### **EXCITATION/EMISSION VALUES**

DyLight 488 is excited at 493 nm (in PBS) and emits at 518 nm (in PBS).

#### **SPECIFICITY/CROSS REACTIVITY**

Tested by gel diffusion and ELISA techniques as applicable. This product reacts specifically with mouse IgG and may recognize other immunoglobulin types that have light chains in common with IgG. Reactivity to IgG subclasses has not been tested. Antibodies to mouse IgG may cross-react with immunoglobulins of other mammalian species if common binding sites are shared. Cross-reactivity with rabbit and human serum has been minimized with affinity procedures.

#### **REHYDRATION AND STORAGE**

**Note:** Rehydration of antibodies in buffers other than those listed here is not recommended.

**Rehydration:** Rehydrate with 1 mL of reagent quality water. Rotate the vial until the lyophilized pellet is totally dissolved.

**Use:** Prior to use, dilute to desired concentration with PBS or 1% BSA Diluent/Blocking Solution. The diluted conjugate should be used immediately.

**Storage:** The rehydrated product is stable for a minimum of 1 year at 2-8°C.

#### **SUGGESTED WORKING DILUTIONS**

Optimal working concentrations should be determined experimentally. Prepare working dilution in PBS or other buffer such as BSA Diluent/Blocking Solution (See RELATED PRODUCTS). Dilution is not recommended for long-term storage. Suggested dilutions are listed below. In many cases, the antibody may be diluted further than indicated:

**Microwell:**  
1:100 – 1:250                    10 µg/mL – 4 µg/mL

**Blotting:**  
1:7500 – 1:15,000            0.13 µg/mL – 66.6 ng/mL

**Histo/Cytochemical/Flow Cytometry:**  
1:100 – 1:1000                10 µg/mL – 1 µg/mL

#### **PRODUCT SAFETY AND HANDLING**

This product is considered non-hazardous as defined by The Hazard Communication Standard (29 CFR 1910.1200). Avoid contact with skin and eyes. In case of contact or spillage, clean with copious amounts of water. Dispose of via institutional guidelines.

#### **TRADEMARKS**

DyLight™ is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

# DyLight™ 488 - Labeled Antibody To Mouse IgG (H+L)

**Catalog No. Size**  
**072-03-18-18 1.0 mg**

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## RELATED PRODUCTS

|                               |                   |
|-------------------------------|-------------------|
| BSA Diluent/Blocking Solution | Cat. No. 50-61-00 |
| Coating Solution              | Cat. No. 50-84-00 |
| Fluorescent Mounting Medium   | Cat. No. 71-00-06 |
| 20X Wash Solution             | Cat. No. 50-63-00 |
| 10X PBS                       | Cat. No. 51-13-01 |
| 10X PBST                      | Cat. No. 51-14-01 |
| 10X TBS                       | Cat. No. 51-17-01 |
| 10% Tween-20                  | Cat. No. 51-12-01 |
| 5% SDS                        | Cat. No. 51-20-01 |
| 10X Tris-Glycinic             | Cat. No. 51-10-01 |
| 10X Tris-Glycine-SDS          | Cat. No. 51-11-01 |

See the KPL catalog for a wide selection of antibodies, substrates, protein and nucleic acid detection kits, and immunohistochemistry reagents.

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