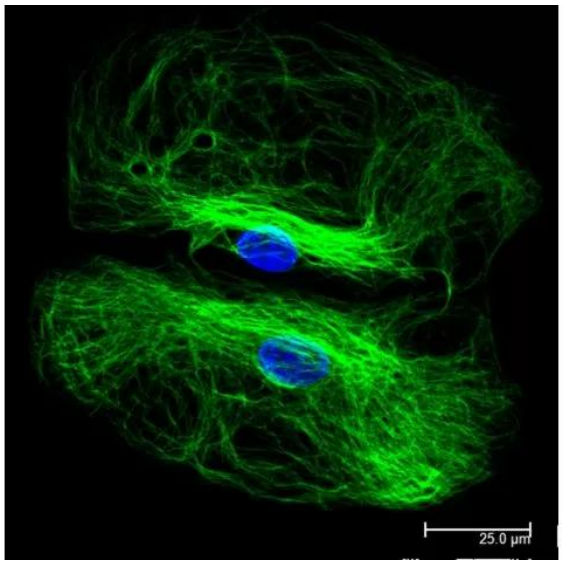
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Telephone: (650) 697-3600

# HORSE ANTI-RABBIT IGG ANTIBODY (H+L), DYLIGHT 488

**SKU:** DI-1088-1.5




## DESCRIPTION

DyLight 488 Horse Anti-Rabbit IgG Antibody can be used for tissue staining and other applications. Optimal F/P ratios have been established for each conjugate to ensure maximum fluorescence with minimal background staining.

**Features:**

- Affinity-purified, ultrapure, high affinity antibody
- Thoroughly adsorbed against serum and immunoglobulins from potentially interfering species
- Recognizes both heavy and light chains (H+L)
- Optimally labeled with DyLight™ 488 to provide the brightest label for fluorescence microscopy
- Supplied in solution
- Excitation: 493 nm
- Emission: 518 nm

**For research use only. Not intended for therapeutic or diagnostic use in animals or humans.**

• Color: Green

# SPECIFICATIONS

| | |
|---|---|
| **Color of Fluorescence** | Green |
| **Format** | Concentrate |
| **Formulation** | 10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide. |
| **Maximum Emission** | 518 nm |
| **Maximum Excitation** | 493 nm |
| **Unit Size** | 1.5 mg |
| **Storage Instructions** | 2-8 °C |
| **Usage Summary** | Recommended concentration range for use 5-20 µg/ml. If this antibody is to be used in tissues which may contain cross-reacting endogenous immunoglobulins, dilution of this antibody may be made in buffers containing 2% normal serum from the same species as the tissue. |
| **Applications** | Immunofluorescence, In situ hybridization, Blotting Applications, Flow Cytometry/Cell Separation |
| **Target Species** | Rabbit |
| **Concentration** | 1.5 mg active conjugate/ml |
| **Conjugate** | DyLight 488 |
| **Reactive Species** | Horse |
| **Source Species** | Rabbit |
| **Host Species** | Horse |

# TECHNICAL INFORMATION

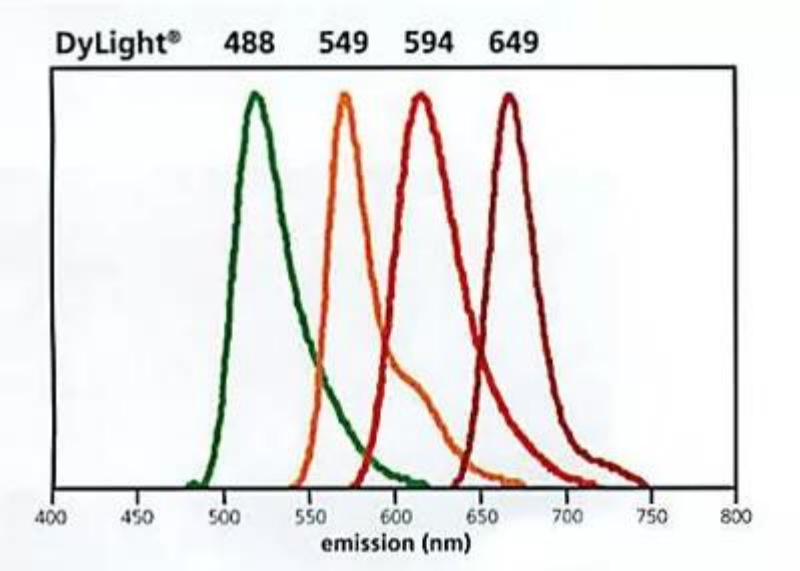
The horse anti-rabbit Ig antibodies are prepared by hyperimmunizing animals in a manner that produces high affinity antibodies. These are then purified by an affinity chromatography procedure designed to remove any low affinity antibodies which may be present. Cross-reactivities that are likely to interfere with specific labeling are removed by solid-phase adsorption techniques. The final product is then subjected to rigorous quality control assays including immunodiffusion, solid-phase enzyme immunoassays, gel electrophoresis and solid-phase binding assays. In preparing the labeled antibodies, great care is taken to ensure the maximum degree of labeling with no alteration in the specificity and affinity of the antibody. The

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labeled antibody then undergoes a further series of quality control assays, including immunohistochemical analysis.

DyLight™ fluorescent dyes are direct alternatives to traditional fluorophores such as fluorescein (FITC) and rhodamine. The excitation and emission spectra parallel that of other commercially available fluorescent reagents allowing for easy substitution into an existing protocol without requiring any further instrumentation or filter sets.

DyLight dyes offer a number of potential advantages including greater photostability and brighter fluorescence. DyLight dyes are completely stable over a pH range of 4-9 making them compatible with many aqueous-based buffers and diluents. The DyLight dyes can be applied as single labels or in combination with other DyLight dyes and fluorophores as part of a multiple immunofluorescent antigen staining methodology. The Dylight dyes currently offered are DyLight 488 (green), DyLight 549 (orange), DyLight 594 (red), and DyLight 649 (far red).




| Conjugate | Excitation maximum (nm) | Emission maximum (nm) | Spectrally similar dyes |
|---|---|---|---|
| DyLight 488 | 493 | 518 | FITC, Alexa Fluor 488, Cy2 |
| DyLight 549 | 556 | 571 | TRITC, Alexa Fluor 555, Cy3 |
| DyLight 594 | 592 | 617 | Alexa Fluor 594, Texas Red |
| DyLight 649 | 655 | 670 | Alexa Fluor 647, Cy5 |

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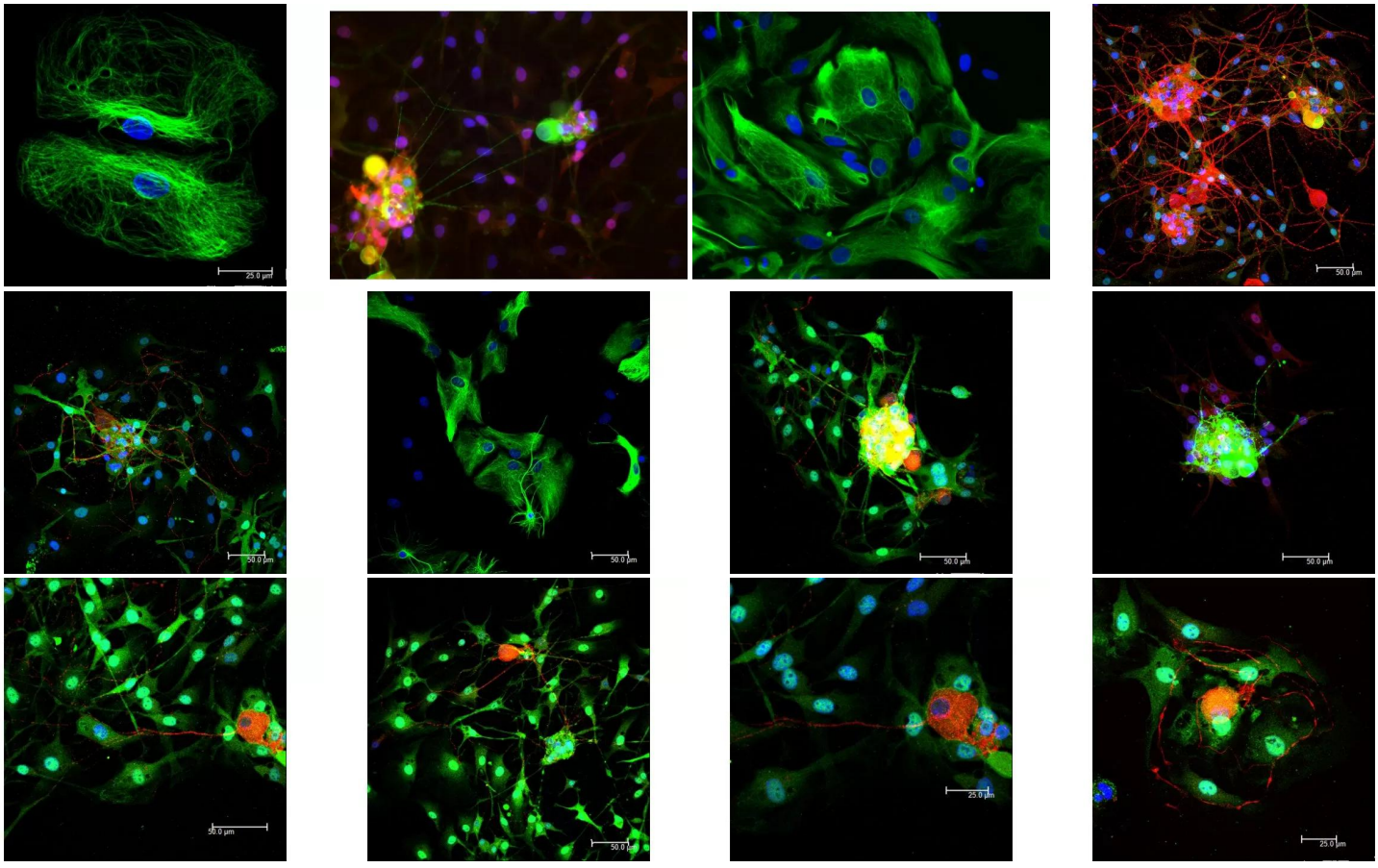
# CITATIONS

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# DOCUMENTS

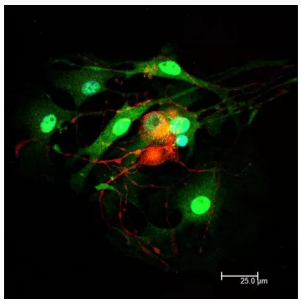
- Safety Data Sheet
- Download CoA
- Datasheet

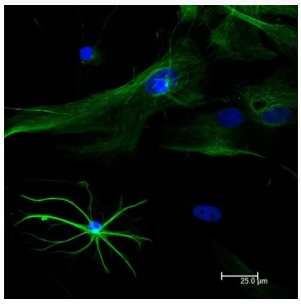
# GALLERY IMAGES

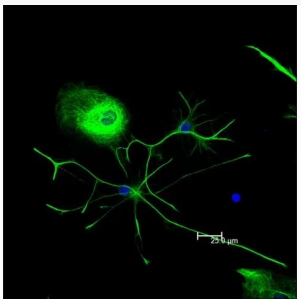


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