



# **HORSE ANTI-MOUSE IGG ANTIBODY (H+L), DYLIGHT 649**

**SKU:** DI-2649-1.5



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## **DESCRIPTION**

DyLight 649 Horse Anti-Mouse IgG Antibody can be used for immunofluorescence and other applications. Optimal F/P ratios have been established for each conjugate to ensure maximum fluorescence with minimal background staining.

### **Features:**

- Recognizes both heavy and light chains (H+L)
- Optimally labeled with DyLight™ 649 to provide the brightest label for fluorescence microscopy
- Supplied in solution
- Excitation: 655 nm
- Emission: 670 nm
- Color: Far Red

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



## SPECIFICATIONS

<b>Color of Fluorescence</b>	Far Red
<b>Format</b>	Concentrate
<b>Formulation</b>	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide.
<b>Maximum Emission</b>	670 nm
<b>Maximum Excitation</b>	665 nm
<b>Unit Size</b>	1.5 mg
<b>Storage Instructions</b>	2-8 °C
<b>Usage Summary</b>	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.
<b>Applications</b>	Immunofluorescence, In situ hybridization, Blotting Applications, Flow Cytometry/Cell Separation
<b>Target Species</b>	Mouse
<b>Concentration</b>	1.5 mg active conjugate/ml
<b>Conjugate</b>	DyLight 649
<b>Reactive Species</b>	Horse
<b>Source Species</b>	Mouse
<b>Host Species</b>	Horse

## TECHNICAL INFORMATION

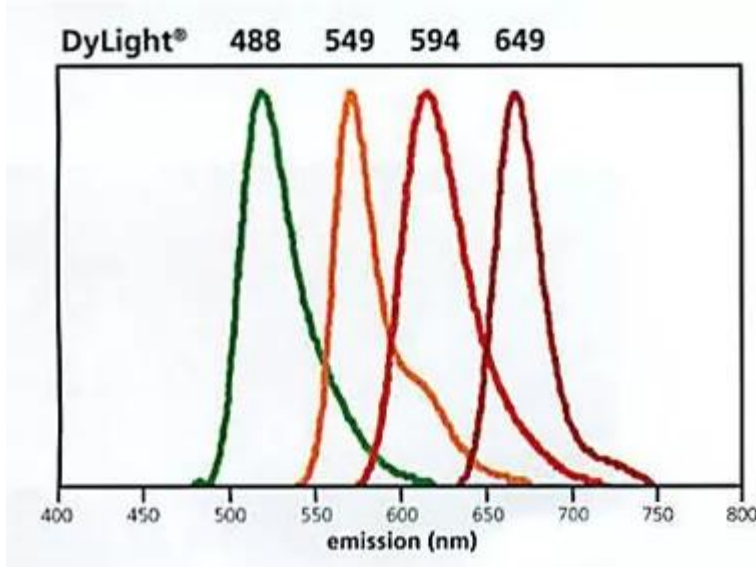
The anti-mouse Ig antibodies are prepared by hyperimmunizing animals in a manner that produces high affinity antibodies. These are then purified by an affinity chromatography procedure designed to remove any low affinity antibodies which may be present. Cross-reactivities that are likely to interfere 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 labeled antibody then undergoes a further series of quality control assays, including immunohistochemical analysis.

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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).



<b>Conjugate</b>	<b>Excitation maximum (nm)</b>	<b>Emission maximum (nm)</b>	<b>Spectrally similar dyes</b>
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

## CITATIONS

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## DOCUMENTS

- [Safety Data Sheet](#)
- [Download CoA](#)
- [Datasheet](#)

## GALLERY IMAGES



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[Horse Anti-Mouse IgG Antibody \(H+L\), DyLight 649](#)

<https://vectorlabs.com/products/dylight-649-horse-anti-mouse-igg/>