

This certificate is an example. A complete certificate containing lot-specific information, such as concentration and volume, will be shipped with your purchase.

Chromeo™ 546 Goat anti-Mouse IgG

Catalog No: 15033

Lot No: Not Available

Chemical Properties:

Contents: 1 mg of Chromeo™ 546 conjugated goat anti-mouse IgG (H+L). The antibody concentration is 2 mg/ml in 0.01 M potassium phosphate, 0.15 M sodium chloride pH 7.4, containing 2 mM sodium azide. 2.2 Moles of dye are conjugated per Mole of antibody.

Specificity: This antibody reacts with whole molecular mouse IgG and the light chains of other mouse immunoglobulins. No cross-reactivity with non-immunoglobulin serum proteins was observed.

Fluorescent Properties:

Chromeo™ 546 is spectrally similar to Cy3®. The conjugated antibodies exhibit superior luminescent properties and stability towards photobleaching. The Chromeo™ 546 conjugated antibodies have absorption and emission maxima of approximately 545 and 568 nm which are compatible with common excitation sources and filter sets.

Molar extinction Coefficient: 96,800 M⁻¹cm⁻¹ (measured at A_{max})

Quantum Yield: ~11%

Excitation Wavelength Range: 530 to 550 nm

Emission Wavelength Range: 560 to 570 nm

Application:

Immunofluorescence: 1:1000 to 1:2000

Plate-based assays: 1:800 to 1:1000

Quality Control:

This antibody has been quality control-tested by spectro-photometrical evaluation, by immunohistochemistry (IHC) and by plate-based assays.

Storage:

For short term storage, the conjugated antibody should be stored at 4°C protected from light. This product is guaranteed for 6 months from the date of arrival.

