



642 Goat-anti-Mouse IgG

Data Sheet

Catalog Number: GT26005	Host: Goat
Product Type: Secondary antibody	Species: Mouse-This antibody reacts with whole
	Reactivity: molecular mouse IgG and the light chains of other mouse immunoglobulins. No cross-reactivity with non-immunoglobulin serum proteins was observed.
Format: 1 mg (0.5ml of 2 mg/ml)- CHROMEOSITY 642 conjugated goat anti-mouse IgG (H+L). The antibody is formulated in 0.01 M potassium phosphate, 0.15 M sodium chloride pH 7.4, containing 2 mM sodium azide,	
Applications: Immunofluorescence: 1:1000 to 1:2000 Plate-based assays: 1:800 to 1:1000	
	Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.
Storage: For short term storage, the conjugated antibody should be stored at 4°C protected from light. For longer term storage, aliquot the antibody and store at -20°C. Avoid subjecting the antibody to repeated freeze-thaw cycles. This product is guaranteed for 6 months from the date of arrival.	

Application Notes

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

Fluorescent Properties:

Chromeo™ sity 642 is spectrally similar to Cy5®. The conjugated antibodies exhibit superior luminescent properties and stability towards photobleaching. The Chromeo™ sity 642 conjugated antibodies have absorption and emission maxima of approximately 642 and 666 nm which are compatible with common excitation sources and filter sets.

Molar Extinction Coefficient: 180,000 M⁻¹cm⁻¹

(measured at A_{max})

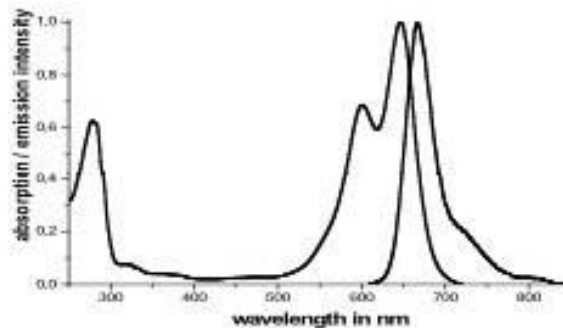
Quantum Yield: ~ 7 %

Excitation Wavelength Range: 630 to 655

nm

Emission Wavelength Range: 650 to 670 nm

Image: Spectrum of CHROMEOSITY 642 conjugated Goat anti-Mouse IgG.



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