



546 Goat-anti-Mouse IgG

Data Sheet

Catalog Number: GT26003	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 546 is spectrally similar to Cy3®. The conjugated antibodies exhibit superior luminescent properties and stability towards photobleaching. The Chromeo™sity 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 Amax)

Quantum Yield: ~ 11%

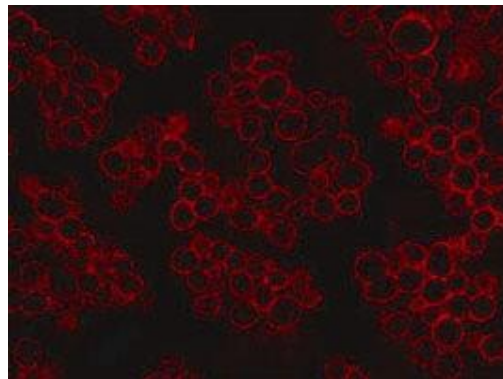
Excitation Wavelength Range: 530 to 550 nm

Emission Wavelength Range: 560 to 570 nm

Description/Data:

CHROMEOSITY dyes exhibit superior luminescence properties, including a broad range of fluorescence excitation and emission, large Stokes shifts, limited photobleaching and a broad pH tolerance.

Image: The Chromeo 546 Goat anti-Mouse IgG secondary antibody was used to stain EGFR in an urothel cell line. This



data was generously provided by Dr. Brockhoff, Institut for Pathology, University Regensburg, Germany.

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