



### 488 Goat-anti-Mouse IgG

### Data Sheet

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<b>Catalog Number:</b> GT26000	<b>Host:</b> Goat
<b>Product Type:</b> Secondary antibody	<b>Species:</b> Mouse-This antibody reacts with whole
	<b>Reactivity:</b> molecular mouse IgG and the light chains of other mouse immunoglobulins. No cross-reactivity with non-immunoglobulin serum proteins was observed.
<b>Format:</b> 1 mg (0.5ml of 2 mg/ml)- CHROMEOSITY 488 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,	
<b>Applications:</b> <b>Immunofluorescence:</b> 1:1000 to 1:2000 <b>Plate-based assays:</b> 1:800 to 1:1000	
	Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.
<b>Storage:</b> 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.	

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#### Application Notes

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

#### Fluorescent Properties:

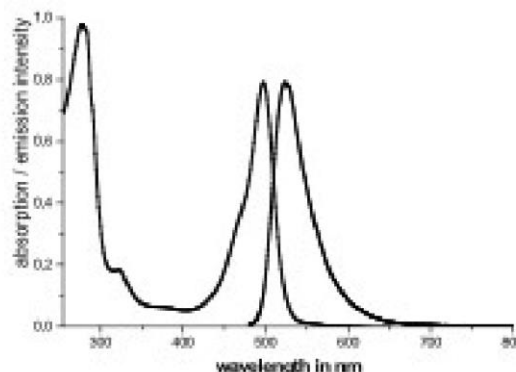
Chromeosity™ 488 is spectrally similar to FITC and Alexa® 488. The conjugated antibodies exhibit superior luminescent properties and stability towards photobleaching. The Chromeosity™ 488 conjugated antibodies have absorption and emission maxima of approximately 490 and 527 nm which are compatible with common excitation sources and filter sets.

**Molar Extinction Coefficient:** 73,000 M-1cm-1 (measured at Amax)

**Quantum Yield:** ~ 4 8 %

**Excitation Wavelength Range:** 470 to 500 nm

**Emission Wavelength Range:** 515 to 530 nm



*Image: Spectrum of CHROMEOSITY™ 488 conjugated Goat anti-Mouse IgG.*

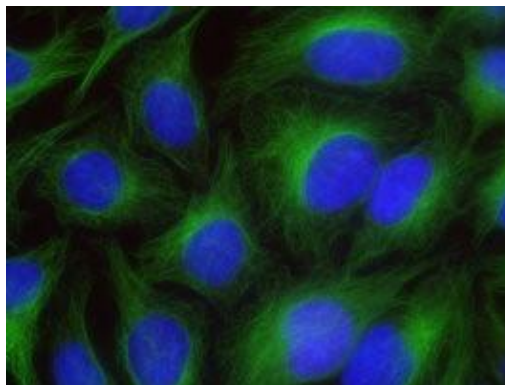
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**Description/Data:**

CHROMEOTM sity 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: HeLa cells were stained with alpha Tubulin mouse mAb (Clone 5-B-1-2) and Chromeo 488 Goat anti-mouse IgG. The nuclei have been counterstained with DAPI.*



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