

## OriGene Technologies Inc.

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## RA101DL5 OriGene EU

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## Streptococcus Protein G (DyLight488 conjugated) -DyLight488

Catalog No.:	RA101DL5
Quantity:	0.1 mg
<b>Concentration:</b>	1.0 mg/ml (by UV absorbance at 280 nm)
Species:	Streptococcus
Format:	<ul> <li>State: Lyophilized</li> <li>Purity: &gt;95%</li> <li>Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 10 mg/ml Bovine Serum Albumin (BSA) and 0.01% (w/v) Sodium Azide</li> <li>Label: DyLight(TM) 488 (MW 1,011.20)</li> <li>Protein Ratio: 3,1 moles DyLight(TM) 488 per mole of Protein G</li> <li>Absorption/Emission: 493 nm / 518 nm</li> <li>Reconstitution: Restore with 0.1 ml of deionized water (or equivalent).</li> </ul>
Applications:	Western Blot: >1/20,000. ELISA: >1/10,000. Immunofluorescence: >1/5,000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Description:	Single precipitin arc against anti-biotin and anti-Protein G.
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store the protein undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

**For research and in vitro use only. Not for diagnostic or therapeutic work.** Material Safety Datasheets are available at www.acris-antibodies.com or on request. Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com



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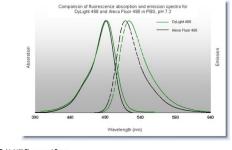
## RA101DL5: Streptococcus Protein G (DyLight488 conjugated) - DyLight488

**Pictures:** 

DyLight(TM) dyes can be used for multicolor immunofluoresence microscopy with uniform fluorescence intensity throughout the image. DyLight(TM) dyes are exceptionally bright and photostable and are optimized for microscopy and microarray detection methods. This image shows anti-histone detection using a DyLight(TM)488 conjugate (green). Anti-Tubulin was detected using a DyLight(TM)549 conjugate (red). Nuclei were counter-stained using DAPI (blue). The image was captured using an Axio Imager.Z1 (Zeiss Micro Imaging Inc).



DyLight™ 488 Fluorescence Spectra



Emission	Color	DyLight <sup>™</sup> Dye	Ex/Em (nm)	ε (M <sup>-1</sup> cm <sup>-1</sup> )	Similar Dyes
Blue		405	400/420	30,000	Alexa™ 405, Cascade Blue
Green		488	493/518	70,000	Alexa™ 488, Cy2 <sup>®</sup> , FITC
Yellow		549	550/568	150,000	Alexa™ 546, Alexa 555, Cy3®,TRI
Red		649	646/674	250,000	Alexa™ 647, Cy5®
Near Infrared		680	682/715	140,000	Alexa™ 680, Cy5.5 <sup>®</sup> , IRDye™ 700
Infrared		800	770/794	270,000	IRDye™ 800

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