

Streptococcus Protein G (DyLight680 conjugated) - DyLight680

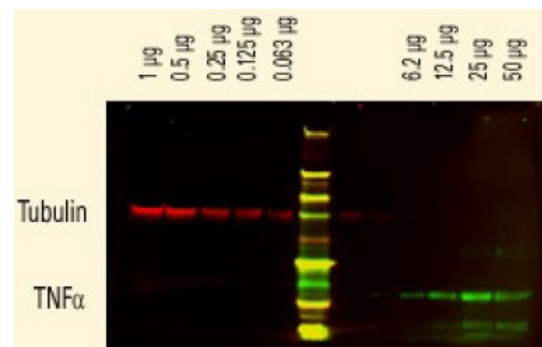
Catalog No.: RA101DL8
Quantity: 0.1 mg
Concentration: 1.0 mg/ml (by UV absorbance at 280 nm)
Species: Streptococcus
Format: **State:** Lyophilized
Purity: >95%
Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 10 mg/ml Bovine Serum Albumin (BSA) and 0.01% (w/v) Sodium Azide
Label: DyLight(TM) 680 (MW 950)
Protein Ratio: 2,4 moles DyLight(TM) 680 per mole of Protein G
Absorption/Emission: 682 nm / 715 nm
Reconstitution: Restore with 0.1 ml of deionized water (or equivalent).

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.

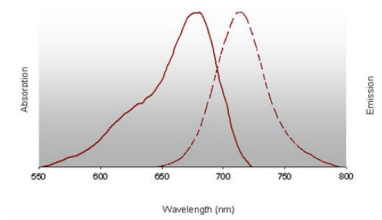
Storage: Prior to reconstitution store at 2-8°C.
Following reconstitution store the protein undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Pictures: DyLight(TM) dyes can be used for two-color Western Blot detection with low background and high signal. Anti-tubulin was detected using a DyLight(TM)680 conjugate. Anti-TNFalpha was detected using a DyLight(TM)800 conjugate. The image was captured using the Odyssey(R) Infrared Imaging System developed by LI-COR.









DyLight™ 680 Fluorescence Spectra:

Fluorescence absorption and emission spectra of DyLight 680 in PBS, pH 7.2



Properties of DyLight™ Fluorescent Dyes:

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