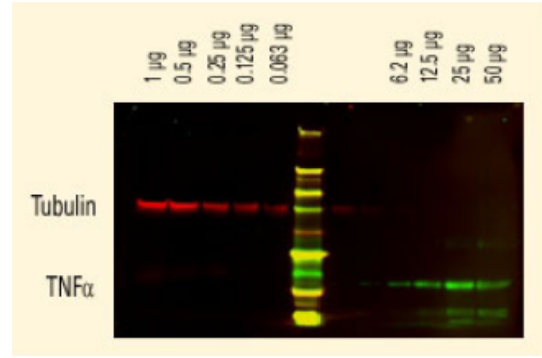


Polyclonal Antibody to VSV-g Epitope Tag (YTDIEMNRLGK) - DyLight680

| | |
|--------------------------|---|
| Alternate names: | VSV-g tag, VSVG-tag, Vesicular stomatitis virus gpG tag |
| Catalog No.: | AP09231DL8-N |
| Quantity: | 0.1 mg |
| Concentration: | 1.0 mg/ml (by UV absorbance at 280 nm) |
| Host / Isotype: | Rabbit / IgG |
| Immunogen: | Synthetic peptide corresponding aa 501-511 of vesicular stomatitis virus glycoprotein (VSV-G) conjugated to KLH using maleimide AA Sequence: Y-T-D-I-E-M-N-R-L-G-K Remarks: Conjugation Chemistry: N-hydroxysuccinimide (NHS) ester |
| Format: | State: Lyophilized Ig fraction Purification: Affinity chromatography Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2; 10 mg/ml BSA, IgG and Protease free; 0.01% (w/v) Sodium Azide Label: DyLight680 – DyLight™ 680 (MW 950) <i>Molar Ratio:</i> 2.8 DyLight™ 680 per mole of Rabbit IgG Reconstitution: Rehydrate with 0.1 ml of deionized water (or equivalent). |
| Applications: | Fluorescent Western blot: > 1:20,000. ELISA (FLISA): > 1:10,000. Immunofluorescence Microscopy: > 1:5,000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | This antibody is directed against the VSV-G epitope tag and is useful in determining its presence in over expressed proteins in various assays. It recognizes the VSV-G epitope tag (Tyr-Thr-Asp-Ile-Glu-Met-Asn-Arg-Leu-Gly-Lys) fused to either the amino- or carboxy- termini of targeted proteins in transfected or transformed cells. |
| Add. Information: | Instrument compatibility: The emission spectra for this DyLight™ conjugate match the principal output wavelengths of most common fluorescence instrumentation. |
| Storage: | Store vial at 2-8 °C prior to restoration. Following restoration product can be stored undiluted at 2-8 °C for up to one month or (in aliquots) at -20 °C or below. Avoid repeated freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. Shelf life: One year from despatch. |

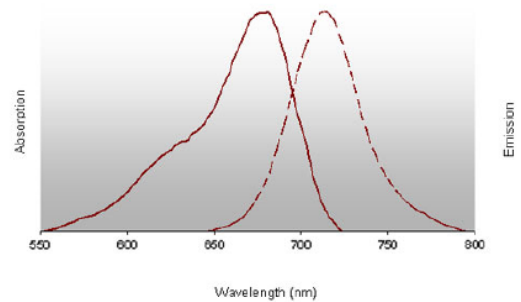
Pictures:

DyLight™ dyes can be used for two-color Western Blot detection with low background and high signal. Antitubulin was detected using a DyLight™ 680 conjugate. Anti-TNFalpha was detected using a DyLight™ 800 conjugate. The image was captured using the Odyssey® 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 |
|---------------|--|--------------|------------|--|------------------------------------|
| Green |  | 488 | 493/518 | 70,000 | Alexa™ 488, Cy2®, FITC |
| Yellow |  | 549 | 560/568 | 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 |