

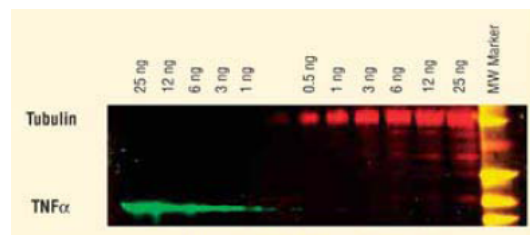
Polyclonal Antibody to VSV-g Epitope Tag (YTDIEMNRLGK) - DyLight649

Alternate names:	VSV-g tag, VSVG-tag, Vesicular stomatitis virus gpG tag
Catalog No.:	AP09231DL7-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: DyLight649 – DyLight™ 649 (MW 1,008.02) <i>Absorption / Emission:</i> 646 nm (in PBS) / 674 nm (in PBS) <i>Molar Ratio:</i> 1.8 DyLight™ 649 per mole of Rabbit IgG Reconstitution: Rehydrate with 0.1 ml of deionized water (or equivalent).
Applications:	Flourescent Western blot: > 1:20,000. ELISA (FLISA): > 1:10,000. Immunflourescence 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.
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.

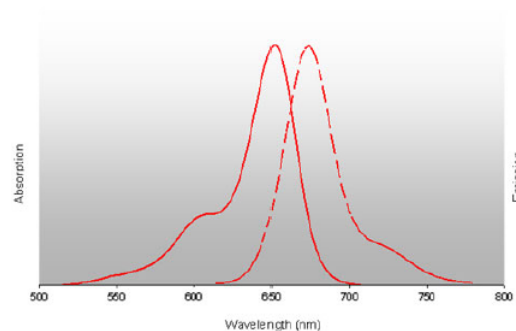
Pictures:

DyLight™ dyes can be used for two-color Western Blot detection with low background and high signal. Anti-tubulin was detected using a DyLight™ 549 conjugate. Anti-TNF α was detected using a DyLight™ 649 conjugate. The image was captured using the Typhoon™ 9410 Imaging System.

DyLight™ 649 Fluorescence Spectra



Fluorescence absorption and emission spectra of DyLight 649 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	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