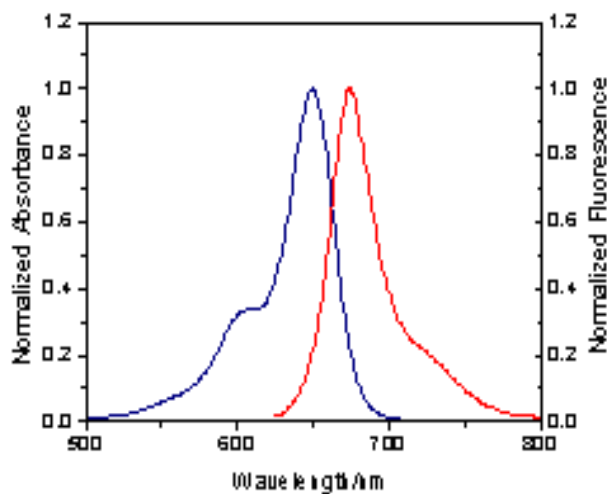




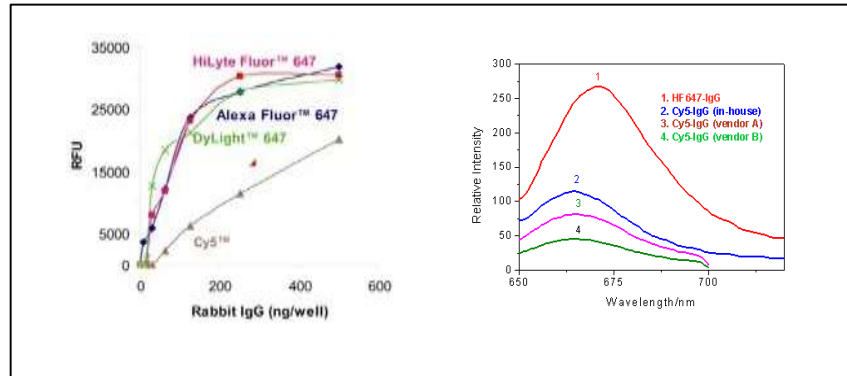
## Product Data Sheet

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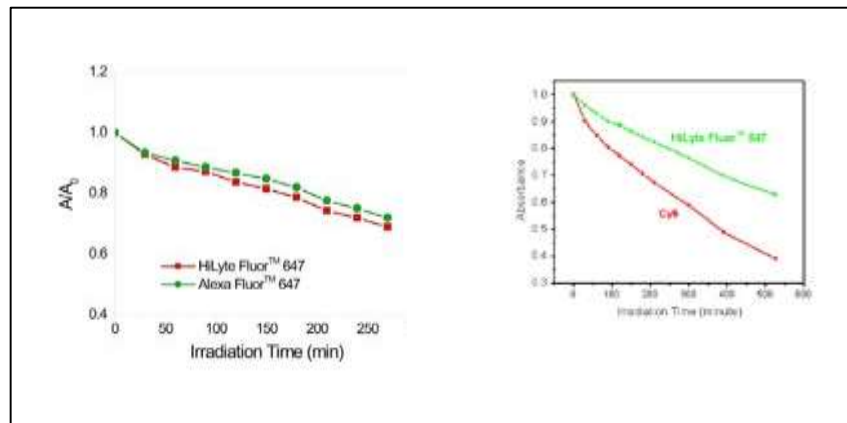
<b>Product Name:</b>	HiLyte Fluor™ 647 amine
<b>Size:</b>	1 mg
<b>Catalog Number:</b>	AS-81257
<b>Molecular Weight:</b>	1045.34
<b>Solvent:</b>	Water
<b>Product Description:</b>	HiLyte Fluor™ 647 amine is a carbonyl-reactive fluorescent labeling dye that can be used to generate conjugates that are slightly red-shifted compared to those of Cy5™ dyes, resulting in optimal match to filters designed for Cy5™ dye. HiLyte Fluor™ 647 conjugate may have better performance than Cy5™ for fluorescence polarization-based assays.
<b>Spectra:</b>	Maximum Ex/Em wavelength is 649/674 nm.



**Flourescence Intensity:** Performance of dye-goat anti-rabbit IgG conjugates



**Photostability:** HiLyte Fluor™ 647, Alexa Fluor™ 647 and Cy5™ photostability over time



**Stock Solution Preparation:** Prepare 10 mg/ml dye stock solution in water. Completely dissolve all dye content by vortexing. Dye solution should be prepared fresh, immediately before an experiment. Long-term storage in solution form may reduce dye activity. Any solution containing the dye should be protected from light.

**Shelf Life and Storage:** Shelf life is two years if stored at -20C, desiccated and protected from light.

**Related Products:**

Catalog#	Product Name
AS-81255	HiLyte Fluor™ 647 acid
AS-81257	HiLyte Fluor™ 647 acid, SE
AS-81259	HiLyte Fluor™ 647 C2 maleimide

This product is for *in vitro* research use only