

Monoclonal Antibody to Rhodamine - IRDYE800

Alternate names:	TAMRA, TRITC, Tetramethyl Rhodamine Isothiocyanate
Catalog No.:	AM08457D8-N
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (by UV absorbance at 280 nm)
Background:	Epitope tags are short peptide sequences that are easily recognized by tag-specific antibodies. Due to their small size, epitope tags do not affect the tagged protein's biochemical properties. Most often sequences encoding the epitope tag are included with target DNA at the time of cloning to produce fusion proteins containing the epitope tag sequence. This allows anti-epitope tag antibodies to serve as universal detection reagents for any tag containing protein produced by recombinant means. This means that anti-epitope tag antibodies are a useful alternative to generating specific antibodies to identify, immunoprecipitate or immunoaffinity purify a recombinant protein. The anti-epitope tag antibody is usually functional in a variety of antibody-dependent experimental procedures. Expression vectors producing epitope tag fusion proteins are available for a variety of host expression systems including bacteria, yeast, insect and mammalian cells.
Host / Isotype:	Mouse / IgG1
Clone:	11H10
Immunogen:	Rhodamine conjugated KLH
Format:	State: Lyophilized Ig fraction Purification: Protein A 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: IRDYE800 – IRDy(TM)800 (MW 1166.2) <i>Absorption / Emission:</i> 774 nm (in PBS) / 800 nm <i>Molar Ratio:</i> 3.0 moles IRDy(TM)800/mole of Mouse IgG Reconstitution: Restore with 0.1 ml of deionized water (or equivalent).
Applications:	Western blot: 1:10,000 to 1:25,000 is suggested to detect 12-25 pg of immobilized protein. Immunofluorescence microscopy using commercially available excitation/emission filters in the 780nm/820nm range. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts specifically with Rhodamine and its derivatives. Rhodamine isomer 5 and isomer 6 are reactive as TAMRA, as well as TRITC conjugated proteins. No reaction is observed against Texas Red.

Storage:

Store vial at 2-8° C prior to restoration. Centrifuge product if not completely clear after standing at room temperature. This product is stable at 2-8° C as an undiluted liquid. Dilute only prior to immediate use.
Shelf life: One year from despatch.

General Readings:

Conjugation: LI-COR Biosciences, Lincoln, NE.

Pictures:

