

Cat. No: IS20120

Size: 1 mg

Clone: POLY

Concentration: 2mg/ml

Host: Goat

Isotype: IgG

Reactivity: Mouse

Applications: Recommended Dilution Range
1-10 µg/mL of the IgG conjugate for most applications. Appropriate dilutions of the conjugate should be determined empirically.

Purification: Aff. Pur.

Background: Far-red fluorescent dyes offer the advantage of ultra sensitive detection because background signal due to auto-fluorescence in most biological samples is minimal in this spectral region. For many years, the cyanine dye Cy-5 has been the dye of choice for such detection. More recently, Alexa Fluor® 647 has been developed as a better alternative by having brighter fluorescence and higher photostability. On the other hand, while Alexa Fluor® 633 is photostable, its fluorescence on proteins is very weak

Form: liquid

Buffer: In PBS pH ~7.4 containing 50% glycerol, 2 mg/mL bovine serum albumin (IgG-free and protease-free) and 0.05% sodium azide.

Storage: Store at 4°C for several months. Protect from light. For longer storage, divide the conjugate into small aliquots and freeze at -20°C. Avoid repeated freezing and thawing.

Properties: Color and Form: Blue solution. Spectral Properties $\lambda_{abs}/\lambda_{em} = 630/650$ nm (in pH 7.4 PBS buffer) Alexa Fluor 633 is spectrally similar to DyLight™ 633.

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