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| <b>Cat. No:</b>       | IS20125   |
| <b>Size:</b>          | 1 mg  |
| <b>Clone:</b>         | POLY  |
| <b>Concentration:</b> | 2mg/ml  |
| <b>Host:</b>          | Donkey  |
| <b>Isotype:</b>       | IgG   |
| <b>Reactivity:</b>    | Rabbit  |
| <b>Applications:</b>  | Recommended Dilution Range 1-10 µg/mL of the IgG conjugate for most applications. Appropriate dilutions of the conjugate should be determined empirically.  |
| <b>Purification:</b>  | Aff. Pur.   |
| <b>Background:</b>    | 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 |
| <b>Form:</b>          | liquid  |
| <b>Buffer:</b>        | In PBS pH ~7.4 containing 50% glycerol, 2 mg/mL bovine serum albumin (IgG-free and protease-free) and 0.05% sodium azide.   |
| <b>Storage:</b>       | 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.   |
| <b>Properties:</b>    | 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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