

DESCRIPTION

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| Species Reactivity | Human |
| Specificity | Detects human CD90/Thy1. |
| Source | Monoclonal Mouse IgG _{2A} Clone # Thy-1A1 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | Human CD90/Thy1 |
| Conjugate | Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm |
| Formulation | Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

| | Recommended Concentration | Sample |
|-----------------------|----------------------------------|--|
| Flow Cytometry | 0.25-1 µg/10 ⁶ cells | Jurkat human acute T cell leukemia cell line |

PREPARATION AND STORAGE

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| Shipping | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| Stability & Storage | Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied. |

BACKGROUND

CD90, also known as Thy1, is a GPI-linked glycoprotein expressed by endothelial cells, hematopoietic stem cells, and in developing nervous tissue. Unlike human CD90, mouse CD90 is also highly expressed on T cells and is involved in T cell activation.

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