

DESCRIPTION

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| Species Reactivity | Mouse |
| Specificity | Detects mouse CD2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human CD2 is observed. |
| Source | Monoclonal Rat IgG _{2A} Clone # 377830 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | Mouse myeloma cell line NS0-derived recombinant mouse CD2 Arg23-Ser203 Accession # P08920 |
| Conjugate | Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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 | Mouse CD3 ⁺ splenocytes |

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

CD2 is a type I glycoprotein belonging to the Ig superfamily and is expressed on T, NK, B, and some antigen presenting cells. Human CD2 binds human CD58 on antigen-presenting cells to induce co-stimulating signals in T cells.

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