

| DESCRIPTION | |
|---------------------------|---|
| Species Reactivity | Mouse |
| Specificity | The specificity of this antibody was confirmed by direct ELISA on mouse IgG _{2A} monoclonal antibodies, and it does not cross-react with IgG ₁ , IgG _{2B} , IgG ₃ , IgM, IgA, or IgE antibodies. By flow cytometry, this isotype-specific secondary antibody detects primary antibodies of the mouse IgG _{2A} isotype, and does not detect primary antibodies of mouse IgG ₁ , IgG _{2B} , or IgG ₃ class. |
| Source | Monoclonal Rat IgG ₁ Clone # 344701 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | Cocktail of mouse IgG ₁ and IgG _{2A} |
| Conjugate | PerCP (Peridinin-chlorophyll Protein Complex) Excitation Wavelength: 482 and 564 nm Emission Wavelength: 675 nm |
| Formulation | Supplied 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 | | |
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| Please Note: Optimal dilutions should be determined by each laboratory for each application. <i>General Protocols</i> are available in the <i>Technical Information</i> section on our website. | | |
| | Recommended Concentration | Sample |
| Flow Cytometry | 10 µL/10 ⁶ cells | See Below |

DATA

Flow Cytometry

Detection of Mouse IgG_{2A} Primary Antibody by Flow Cytometry.
Human peripheral blood lymphocytes were stained with A) Mouse Anti-Human CD4 Monoclonal Antibody (Catalog # MAB3791, Mouse IgG_{2A}, filled histogram) or isotype control (Catalog # MAB003, open histogram), or B) Mouse Anti-Human CD8α Monoclonal Antibody (Catalog # MAB1509, mIgG_{2B}, filled histogram) or isotype control (Catalog # MAB003, open histogram), followed by PerCP-conjugated Rat Anti-Mouse IgG_{2A} isotype-specific secondary antibody (Catalog # F0131). View our protocol for [Staining Membrane-associated Proteins](#).

| PREPARATION AND STORAGE | |
|--------------------------------|--|
| 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. |