# Mouse Rae-1 Pan Specific PE-conjugated Antibody

Monoclonal Rat $IgG_{2A}$ Clone # 186107

Catalog Number: FAB17582P

100 µg

## DESCRIPTION

| | |
|---|---|
| **Species Reactivity** | Mouse |
| **Specificity** | Detects mouse Rae-1. It recognizes Rae-1α, β, δ, γ and ε. |
| **Source** | Monoclonal Rat $IgG_{2A}$ Clone # 186107 |
| **Purification** | Protein A or G purified from hybridoma culture supernatant |
| **Immunogen** | Mouse myeloma cell line NS0-derived recombinant mouse Rae-1δ<br>Leu29-Ser227<br>Accession # Q9JI58 |
| **Conjugate** | Phycoerythrin<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 565-605 nm |
| **Formulation** | Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.<br><br>*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. |

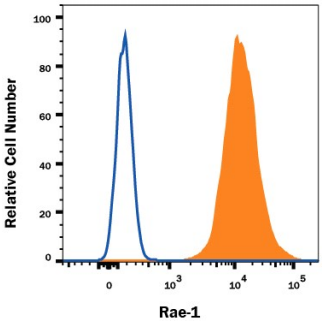
## APPLICATIONS

**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 | See Below |

## DATA

**Flow Cytometry**




**Detection of Rae-1 in RAW 264.7 Mouse Cell Line by Flow Cytometry.** RAW 264.7 mouse monocyte/macrophage cell line was stained with Rat Anti-Mouse Rae-1 Pan Specific PE-conjugated Monoclonal Antibody (Catalog # FAB17582P, filled histogram) or isotype control antibody (Catalog # IC006P, open histogram). View our protocol for Staining Membrane-associated Proteins.

## 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.**<br>● 12 months from date of receipt, 2 to 8 °C as supplied. |

## BACKGROUND

Rae-1α, β, γ, δ and ε comprise a family of closely related (88-95% amino acid identity) GPI-linked cell surface proteins that function as ligands for mouse NKG2D, an activating receptor expressed on NK and T cells. Rae-1 transcripts are expressed in mouse embryos and several tumor cell lines but are absent from most normal adult tissues. Rae-1 protein expression on tumor cell lines has been implicated in *in vivo* tumor rejection.



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