

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 Leu29-Ser227 Accession # Q9JI58
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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	RAW 264.7 mouse monocyte/macrophage cell line

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.

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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