

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Rae-1 $\alpha/\beta/\gamma$. When tested in flow cytometry against a panel of transfectants expressing different Rae-1 proteins, this antibody recognizes mouse Rae-1 α , β and γ . It does not recognize Rae-1 δ or ϵ .
Source	Monoclonal Rat IgG _{2A} Clone # 199215
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	BaF3 mouse pro-B cell line transfected with Rae-1 β and Mouse myeloma cell line NS0-derived recombinant mouse Rae-1 δ
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 μ g/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

The Rae-1 family is a group of closely related GPI-linked proteins that function as ligands for NKG2D. Binding of Rae-1 proteins to NKG2D results in the activation of cytolytic activity and/or cytokine production by effector T cells and NK cells.

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