

Mouse Rae-1 Pan Specific Fluorescein-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 186107

Catalog Number: FAB17582F 100 TESTS

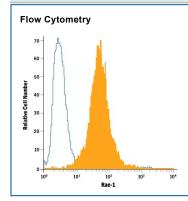
DESCRIPTION			
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Species Reactivity	Mouse		
Specificity	Detects mouse Rae–1. It recognizes Rae-1 α , β , δ , γ and ϵ .		
Source	Monoclonal Rat IgG _{2A} Clone # 186107		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Rae-1δ Leu29-Ser227 Accession # Q9JI58		
Conjugate	Fluorescein Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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

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	10 μL/10 ⁶ cells	See Below

DATA



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 Fluorescein-conjugated Monoclonal Antibody (Catalog # FAB17582F, filled histogram) or isotype control antibody (Catalog # IC006F, open histogram). View our protocol for Staining Membraneassociated 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.

12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Rae-1 α , 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.

