

#### DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	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 $\alpha$ , $\beta$ and $\gamma$ . It does not recognize Rae-1 $\delta$ or $\epsilon$ .
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 199215
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	BaF3 mouse pro-B cell line transfected with Rae-1 $\beta$ and Mouse myeloma cell line NS0-derived recombinant mouse Rae-1 $\delta$
<b>Conjugate</b>	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
<b>Formulation</b>	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
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	RAW 264.7 mouse monocyte/macrophage cell line

#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### 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.

#### PRODUCT SPECIFIC NOTICES

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