

DESCRIPTION

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| Species Reactivity | Human |
| Specificity | Recognizes human CD94 both in its homodimeric form and as a heterodimer with either NKG2A or NKG2C. |
| Source | Monoclonal Mouse IgG ₁ Clone # 131412 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | BaF3 mouse pro-B cell line transfected with human CD94 and NKG2A |
| Conjugate | Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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 | Human whole blood CD56 ⁺ natural killer cells |

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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied. |

BACKGROUND

The type-II transmembrane glycoprotein CD94 covalently associates with C-type lectins of the NKG2 family to yield heterodimers important in NK cell recognition of class I MHC molecules. CD94/NKG2A complexes are also found on a subset of CD8⁺ T cells. Expression of CD94/NKG2 heterodimers may regulate cell survival and effector functions. There are two alternatively spliced variants of CD94 that differ by 31 amino acids encoded by exon 2

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