

Mouse NKG2A/CD159a APC-conjugated Antibody

Monoclonal Rat IgG_{2B} Clone # 705829 Catalog Number: FAB6867A 100 μg, 25 μg

| DESCRIPTION | | | |
|--------------------|---|--|--|
| Species Reactivity | Mouse | | |
| Specificity | Detects mouse NKG2A/CD159a in direct ELISAs. | | |
| Source | Monoclonal Rat IgG _{2B} Clone # 705829 | | |
| Purification | Protein A or G purified from hybridoma culture supernatant | | |
| Immunogen | CHO Chinese hamster ovary cell line transfected with mouse NKG2A/CD159a Accession # Q9Z202 | | |
| Conjugate | Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 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. | | |

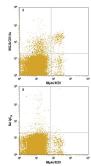
APPLICATIONS

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 | 0.25-1 μg/10 ⁶ cells | See Below |

DATA

Flow Cytometry



Detection of NKG2A/CD159a in Mouse Splenocytes by Flow Cytometry. Mouse splenocytes were stained with Rat Anti-Mouse NKp46/NCR1 Alexa Fluor® 488-conjugated Monoclonal Antibody (Catalog # Catalog # FAB22252G) and either (A) Rat Anti-Mouse NKG2A/CD159a APC-conjugated Monoclonal Antibody (Catalog # FAB6867A) or (B) Rat IgG2pAllophycocyanin Isotype Control (Catalog # Catalog # IC013A). View our protocol for Staining Membrane-associated 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

NKG2A, also known as CD159a, is a 244 amino acid (aa), ~38 kDa type II transmembrane glycoprotein with a cytoplasmic ITIM motif and a single extracellular lectin-like domain. Within the extracellular domain (aa 94-244), mouse NKG2A shares 71% and 41% aa sequence identity with rat and human NKG2A, respectively. An isoform lacking aa 98-114 has been described. NKG2A associates with CD94 and is coexpressed on NK cells and some activated T cell populations. The NKG2A/CD94 complex delivers an inhibitory signal upon recognition of its murine ligand, Qa-1b (or HLA-E in humans) on antigen presenting cells.

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