

Datasheet for ABIN2657222
anti-Klra4 antibody (Alexa Fluor 647)



[Go to Product page](#)

2 Images

Overview

| | |
|--------------|--|
| Quantity: | 100 µg |
| Target: | Klra4 |
| Reactivity: | Mouse |
| Host: | Rat |
| Clonality: | Monoclonal |
| Conjugate: | This Klra4 antibody is conjugated to Alexa Fluor 647 |
| Application: | Flow Cytometry (FACS) |

Product Details

| | |
|---------------|---|
| Clone: | 4E5 |
| Isotype: | IgG2a kappa |
| Purification: | The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 647 under optimal conditions. |

Target Details

| | |
|-------------------|--|
| Target: | Klra4 |
| Alternative Name: | Ly49D (Klra4 Products) |
| Background: | Ly49D is a type II transmembrane protein belonging to the Ly49 family of NK-cell receptors in the C-type lectin superfamily. Ly49D is expressed on subsets of natural killer (NK) cells in C57BL/6, C3H/He and SJL mouse strains, but not Balb/c, DBA/2, AKR and CBA/J. The receptors form homodimers that bind to MHC class I alloantigens. Unlike inhibitory Ly49 family |

Target Details

members, Ly49D lacks a cytoplasmic immunoreceptor tyrosine-based inhibitory motif (ITIM) but contains a cytoplasmic immunoreceptor tyrosine-based activation motif. The activating receptor Ly49D delivers stimulatory signals for target cell lysis upon interacting with H2-Dd, Dr and Dsp2, but not with H2b or H2k class I antigens. Cross-linking of Ly49D activates intracellular kinase activity and calcium mobilization in NK cells. In 129/J mice, 4E5 antibody cross-reacts with Ly490, LY49R and Ly49V.

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

Buffer: Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.

Preservative: Sodium azide

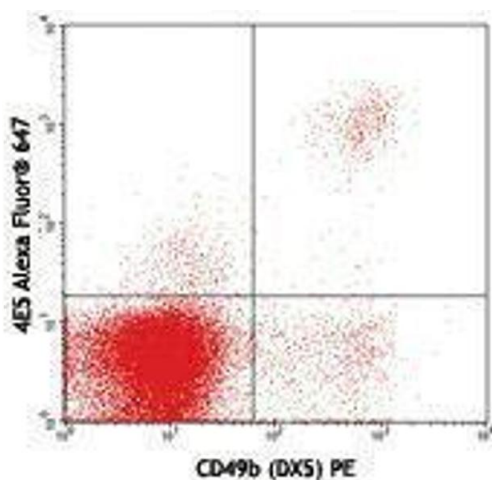
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Protect from prolonged exposure to light. Do not freeze.

Storage: 4 °C

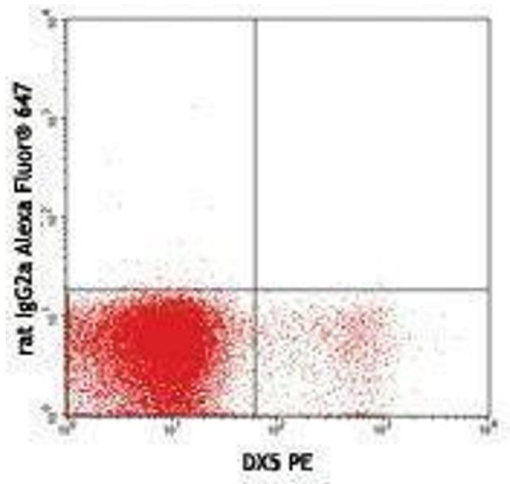
Storage Comment: The antibody solution should be stored undiluted between 2°C and 8°C

Images



Flow Cytometry

Image 1.



Flow Cytometry

Image 2.