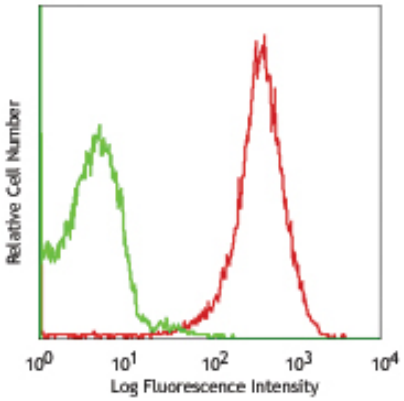
BioLegend
The path to legendary discovery™

Product Data Sheet

Alexa Fluor® 647 anti-mouse RAE-1γ

Catalog # / Size: 130110 / 100 µg
Clone: CX1
Isotype: Rat IgG2b, κ
Immunogen: Mouse RAE-1 gamma transfected cell line
Reactivity: Mouse
Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 647.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5 mg/ml
Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



YAC-1 cells stained with CX1 Alexa Fluor® 647

Applications:

Applications: FC - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 0.25 µg per 10^6 cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm.
** Alexa Fluor® is a registered trademark of Molecular Probes, Inc. Alexa Fluor® dye antibody conjugates are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays and high content screening, and are covered by pending and issued patents.

Application References: 1. Lodoen M, *et al.* 2003. *J. Exp. Med.* 197:1245.

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Description: RAE-1 gamma is one of the five member RAE-family.Together with H60 they were identified as ligands for the mouse NKG2D molecules.Expression of RAE-1 is low or absent in normal adult tissue, but can be upreulgated by retinoid acid and constitutively expressed on some tumors.This antibody has weak crossreativity with RAE-1 alpha and RAE-1 beta.

Antigen References:
1. Cerwenka A, *et al.* 2000. *Immunity* 12:721
2. Lodoen M, *et al.* 2003 *J. Exp. Med.* 197:1245
3. Diefenbach A, *et al.* 2001 *Nature* 413:165

Related Products:

Product	Clone	Application
Alexa Fluor® 647 Rat IgG2b, κ Isotype Ctrl	RTK4530	FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
TruStain fcX™ (anti-mouse CD16/32)	93	FC

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