

Monoclonal Antibody to Ly49I - FITC

Alternate names:	Klra9, Ly-49I, MHC class I recognition receptor Ly49I, Natural killer cell receptor Ly49C
Catalog No.:	AM08065FC-N
Quantity:	0.5 mg
Concentration:	0.5 mg/ml
Background:	Ly49I is a member of the lectin like homodimeric Ly49 family of cell surface receptors. (Ref.1) Mouse Ly49 receptors exhibit allelic specificity for MHC class I Ia molecules and are thought to serve to prevent natural killer (NK) cells from attacking normal cells, while allowing them to attack infected or transformed cells in which class I molecules have been down regulated. (Ref.2) These inhibitory receptors are also expressed on a subpopulation of mouse CD8+ T cells.
Uniprot ID:	Q9IHN9
NCBI:	10090
Host / Isotype:	Mouse / IgG1
Clone:	YLI-90
Format:	State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: < / = 1 µg/10e6 cells. (Ref.1,3) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody react with the B6 allele of the Ly49I. It stains ~ 45% of NK1.1+CD3- splenocytes from C57BL/6 mice. (Ref.1) Species: Mouse. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or in (aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Coles, M.C., C.W. McMahon, H. Takizawa, and D.H. Raulet. 2000. Eur. J. Immunol. 30:236. 2. Ljunggren, H.G., and K. Karre. 1990. Immunol. Today 11:237. 3. Liu, S., and D.H. Raulet. Personal communication.