

Monoclonal Antibody to Ly49I - PE

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| Alternate names: | Klra9, Ly-49I, MHC class I recognition receptor Ly49I, Natural killer cell receptor Ly49C |
| Catalog No.: | AM08065RP-N |
| Quantity: | 0.1 mg |
| Concentration: | 0.1 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 and a stabilizing agent. Label: PE – R-Phycoerythrin |
| Applications: | Flow Cytometry: < / = 0.2 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. DO NOT FREEZE! 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. |