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AM08065RP-N **Acris Antibodies GmbH**

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Monoclonal Antibody to Ly49I - PE

Klra9, Ly-49I, MHC class I recognition receptor Ly49I, Natural killer cell receptor Ly49C Alternate names:

Catalog No.: AM08065RP-N

Quantity: 0.1 mg **Concentration:** $0.1 \, \text{mg/ml}$

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: 091HN9 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

Label: PE - R-Phycoerythrin

Applications: Flow Cytometry: $\langle / = 0.2 \,\mu g/10e6 \, cells. \, (Ref.1,3)$

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.

Store the antibody undiluted at 2-8°C. Storage:

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.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

