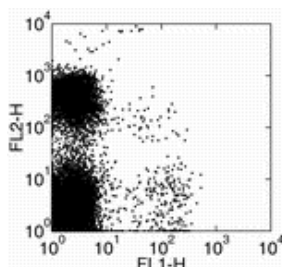


Anti-Mouse Ly-49I Purified

Catalog Number: 14-5895

Also Known As: Ly49I

RUO: For Research Use Only. Not for use in diagnostic procedures.



Two-color surface staining of mouse splenocytes with Anti-Mouse Ly-49I FITC and Anti-Mouse CD3e PE. Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse Ly-49I Purified

REF **Catalog Number:** 14-5895

Clone: YLI-90

Concentration: 0.5 mg/mL

Host/Isotype: Mouse IgG1, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

The YLI-90 monoclonal antibody reacts with the B6 mouse Ly-49I receptor. Ly49I, a member of the Ly49 family with inhibitory function, is a homodimer type II transmembrane protein and contains an Immunoreceptor Tyrosine-based Inhibitory Motif (ITIM). YLI-90 binds to subpopulations of NK, NKT and T cell lineages in the C57Bl/6 strain. This antibody does not bind to cells from BALB/c, SJL or AKR/J mice.

Applications Reported

YLI-90 has been reported for use in flow cytometric analysis.

Applications Tested

The YLI-90 antibody has been tested by flow cytometric analysis of C57Bl/6 and BALB/c mouse splenocyte suspensions and can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. For optimal detection of Ly-49I using YLI-90, a fluorochrome conjugated isotype-specific second step is recommended. If using a polyclonal anti-mouse IgG second step, please note that splenic B cells will also stain due to binding of the second step to surface IgG. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Coles MC, McMahon CW, Takizawa H, Raulet DH. Memory CD8 T lymphocytes express inhibitory MHC-specific Ly49 receptors. Eur J Immunol. 2000 Jan;30(1):236-44.

Related Products

11-4011 Anti-Mouse IgG FITC

14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.1)

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