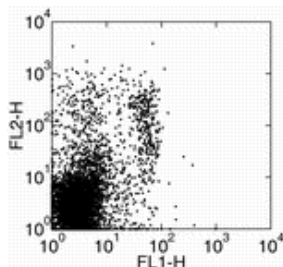


Anti-Mouse Ly-49C/I/F/H Purified

Catalog Number: 14-5991

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



Staining of mouse splenocytes with Anti-Mouse Ly-49C/I/F/H PE and Anti-Mouse CD49b FITC (cat 11-0491). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse Ly-49C/I/F/H Purified

REF **Catalog Number:** 14-5991

Clone: 14B11

Concentration: 0.5 mg/mL

Host/Isotype: Golden Syrian Hamster IgG

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 14B11 monoclonal antibody reacts with a subset of mouse Ly-49 receptors and recognizes a majority of mouse NK cells. This antibody reacts with 3 putative inhibitory members of the Ly-49 family, F, I, and C and one putative activating receptor, Ly-49H. 14B11 does not react with Ly-49A, B, D, or G. It is reported that 14B11 enhances the redirected lysis of FcR+ target cells by IL-2-activated NK cells.

Applications Reported

The 14B11 antibody has been reported for use in flow cytometric analysis. It has also been reported in functional studies. (Please use Functional Grade purified 14B11 in functional assays).

Applications Tested

The 14B11 antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions. This can be used at less than or equal to 0.5 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. 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.

Corral L, Takizawa H, Hanke T, Jamieson AM, Raulet DH. A new monoclonal antibody reactive with several Ly49 NK cell receptors mediates redirected lysis of target cells. *Hybridoma.* 1999 Aug;18(4):359-66.

Related Products

11-0491 Anti-Mouse CD49b (Integrin alpha 2) FITC (HMa2)

11-4211 Anti-Golden Syrian Hamster IgG FITC (Polyclonal)

14-4914 Golden Syrian Hamster IgG Isotype Control Purified (n/a)

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