

Ly-49C//F/H Monoclonal Antibody (14B11), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Syrian hamster / IgG
Recommended Isotype Control	Syrian Hamster IgG Isotype Control, Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	14B11
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_466854

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	4 Publications

Product Specific Information

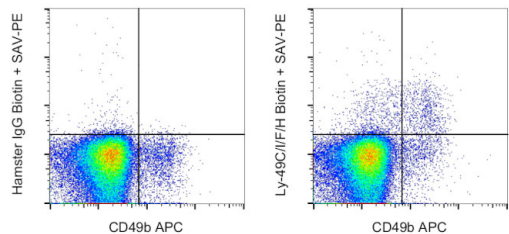
Description: The 14B11 monoclonal antibody reacts with a subset of mouse Ly-49 receptors and recognizes a majority of mouse NK cells. This antibody reacts with 3 putative inhibitory members of the Ly-49 family, F, I, and C and one putative activating receptor, Ly-49H. 14B11 does not react with Ly-49A, 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.

Applications Tested: The 14B11 antibody has been tested by flow cytometric analysis of mouse splenocytes. This 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For Ly-49C/I/F/H Monoclonal Antibody (14B11), Biotin, eBioscience™



Ly-49C/I/F/H Antibody (13-5991-82) in Flow
C57BL/6 mouse splenocytes were stained with CD49b Monoclonal Antibody, APC (Product # 17-5971-82) and 0.125 µg of Armenian Hamster IgG Isotype Control, Biotin (Product # 13-4888-85) (left) or 0.125 µg of Ly-49C/I/F/H Monoclonal Antibody, Biotin (right) followed by Streptavidin PE (Product # 12-4317-87). Cells in the lymphocyte gate were used for analysis.

4 References

Flow Cytometry (4)

<p>Journal of immunology (Baltimore, Md. : 1950)</p> <p>Differential requirements for IRF-2 in generation of CD1d-independent T cells bearing NK cell receptors.</p> <p>"13-5991 was used in Flow cytometry/Cell sorting to investigate the mechanisms behind the generation and function of NKR(+) T cells."</p> <p>Authors: Notake T,Horisawa S,Sanjo H,Miyagawa S,Hida S,Taki S</p>	<p>Year 2012</p> <p>Species Mouse</p>
<p>The Journal of experimental medicine</p> <p>Distinct MHC class I-dependent NK cell-activating receptors control cytomegalovirus infection in different mouse strains.</p> <p>"13-5991 was used in Flow cytometry/Cell sorting to study how multiple activating Ly49 receptors may participate in H-2-dependent recognition of MCMV infection, providing a common mechanism of NK cell-mediated resistance against viral infection."</p> <p>Authors: Pyzik M,Charbonneau B,Gendron-Pontbriand EM,Babi M,Krmpoti A,Jonji S,Vidal SM</p>	<p>Year 2011</p> <p>Species Mouse</p>

[View more Flow references on thermofisher.com](#)

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