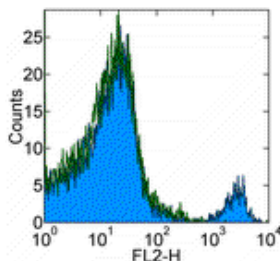


Anti-Mouse V alpha 2 TCR Purified

Catalog Number: 14-5812

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



Staining of C57BL/6 lymph node cells with 0.125 μ g of Rat IgG2a K Isotype Control Purified (cat. 14-4321) (open histogram) or 0.125 μ g of Anti-Mouse V alpha 2 TCR Purified (filled histogram) followed by Anti-Rat IgG PE. Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse V alpha 2 TCR Purified

REF **Catalog Number:** 14-5812

Clone: B20.1

Concentration: 0.5 mg/mL

Host/Isotype: Rat IgG2a

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 B20.1 monoclonal antibody reacts with mouse T-cell receptor (TCR) V alpha 2 chains. This antibody recognizes the majority of the TCR V alpha 2 subfamily in mice carrying the a, b and c haplotypes. The antibody also reacts with the products of T cell receptor, V delta 8 due to the high degree of homology.

Applications Reported

This B20.1 antibody has been reported for use in flow cytometric analysis and immunoprecipitation.

Applications Tested

This B20.1 antibody has been tested by flow cytometric analysis of mouse lymph node cells. This can be used at less than or equal to 0.25 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended to preblock Fc receptors for 10 minutes using 0.5 μ g of purified anti-mouse CD16/32 (cat. 14-0161). It is also recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Pircher H, Rebaï N, Groettrup M, Grégoire C, Speiser DE, Happ MP, Palmer E, Zinkernagel RM, Hengartner H, Malissen B. Preferential positive selection of V alpha 2+ CD8+ T cells in mouse strains expressing both H-2k and T cell receptor V alpha a haplotypes: determination with a V alpha 2-specific monoclonal antibody. *Eur J Immunol.* 1992 Feb;22(2):399-404.

Grégoire C, Rebaï N, Schweisguth F, Necker A, Mazza G, Auphan N, Millward A, Schmitt-Verhulst AM, Malissen B. Engineered secreted T-cell receptor alpha beta heterodimers. *Proc Natl Acad Sci U S A.* 1991 Sep 15;88(18):8077-81.

Related Products

11-4811 Anti-Rat IgG FITC

12-4317 Streptavidin PE

14-4321 Rat IgG2a K Isotype Control Purified (eBR2a)

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