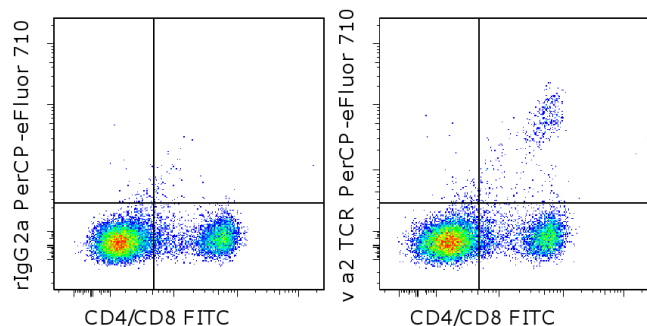


Anti-Mouse V alpha 2 TCR PerCP-eFluor[®] 710

Catalog Number: 46-5812

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



Staining of BALB/c splenocytes with Anti-Mouse CD4 and CD8 FITC (cat. 11-0042 and 11-0081 respectively) and 0.06 μ g of Rat IgG2a K Isotype Control PerCP-eFluor[®] 710 (cat. 46-4321) (left) or 0.06 μ g of Anti-Mouse V alpha 2 TCR PerCP-eFluor[®] 710 (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse V alpha 2 TCR
PerCP-eFluor[®] 710

REF **Catalog Number:** 46-5812

Clone: B20.1

Concentration: 0.2 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. Do not freeze. Light-sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial



LOT



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.

Applications Tested

This B20.1 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.125 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 that the antibody be carefully titrated for optimal performance in the assay of interest.

PerCP-eFluor[®] 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor[®] 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor[®] 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Click [here](#) or contact eBioscience Technical Support for more information on eFluor[™] Organic Dyes including PerCP-eFluor[®] 710.

References

Pircher H, Rebai 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 1 haplotypes: determination with a V alpha 2-specific monoclonal antibody. Eur J Immunol. 1992

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Feb;22(2):399-404.

Grégoire C, Rebai 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

11-0042 Anti-Mouse CD4 FITC (RM4-5)

11-0081 Anti-Mouse CD8a FITC (53-6.7)

46-4321 Rat IgG2a K Isotype Control PerCP-eFluor® 710 (eBR2a)

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