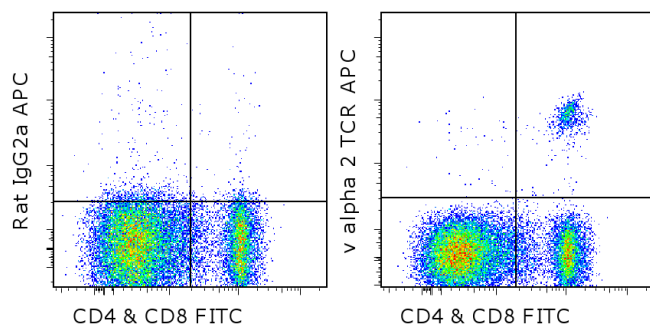


## Anti-Mouse V alpha 2 TCR APC

**Catalog Number:** 17-5812

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



Staining of C57BL/6 splenocytes with Anti-Mouse CD4 FITC (cat. 11-0042), Anti-Mouse CD8a FITC (cat. 11-0081) and 0.25 ug of Rat IgG2a K Isotype Control APC (cat. 17-4321) (left) or 0.25 ug of Anti-Mouse V alpha 2 TCR APC (right). Total viable cells were used for analysis.

### Product Information



**Contents:** Anti-Mouse V alpha 2 TCR APC

**Catalog Number:** 17-5812

**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



### 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 lymph node cells. 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 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest. It is recommended to preblock Fc receptors for 10 minutes using 0.5 µg 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

11-0041 Anti-Mouse CD4 FITC (GK1.5)

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

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## Anti-Mouse V alpha 2 TCR APC

**Catalog Number:** 17-5812

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17-4321 Rat IgG2a K Isotype Control APC (eBR2a)

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