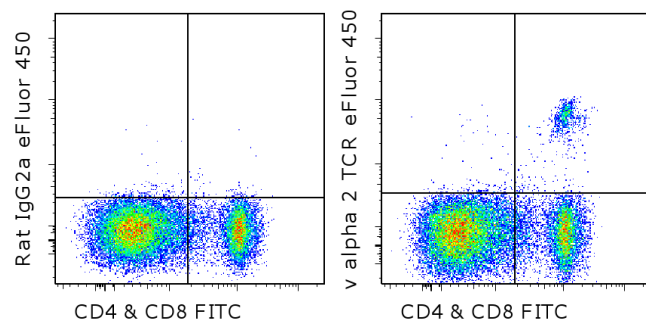


## Anti-Mouse V alpha 2 TCR eFluor® 450

**Catalog Number:** 48-5812

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



Staining of C57Bl/6 splenocytes with Anti-Mouse CD4 FITC (cat. 11-0042) and Anti-Mouse CD8a FITC (cat. 11-0081) and 0.06 ug of Rat IgG2a K Isotype Control eFluor® 450 (cat. 48-4321) (left) or 0.06 ug of Anti-Mouse V alpha 2 TCR eFluor® 450 (right). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Mouse V alpha 2 TCR eFluor® 450

**Catalog Number:** 48-5812

**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. This can be used at less than or equal to 0.125 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.

**eFluor® 450 is a replacement for Pacific Blue®. eFluor® 450 emits at 456 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.**

### References

Pircher, H., N. Rebai, M. Groettrup, C. Gregoire, D. E. Speiser, M. P. Happ, E. Palmer, R. M. Zinkernagel, H. Hengartner, B. Malissen. 1992. Eur. J. Immunol. 22: 399-404.

Gregoire, C., N. Rebai, F. Schweisguth, A. Necker, G. Mazza, N. Auphan, A. Millward, Anne-Marie Schmitt-Verhulst, B. Malissen. 1991. Proc. Natl. Acad. Sci. USA. 88: 8077-8081.

### Related Products

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

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

48-4321 Rat IgG2a K Isotype Control eFluor® 450 (eBR2a)

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