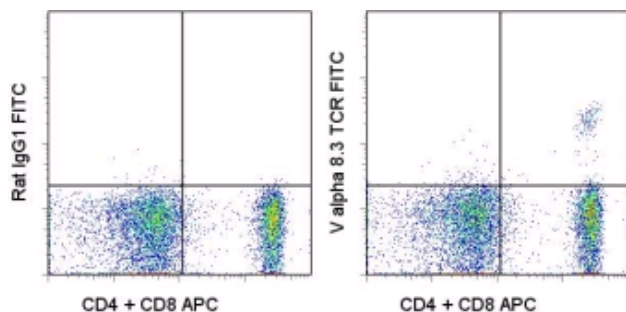


## Anti-Mouse V alpha 8.3 TCR FITC

Catalog Number: 11-5803

Also Known As: Valpha 8.3, Valpha8.3, Va8.3

RUO: For Research Use Only



Staining of C57BL/6 lymph node cells with Anti-Mouse CD4 APC (cat. 17-0041) and Anti-Mouse CD8 APC (cat. 17-0081) and 0.25 µg of Rat IgG1 κ Isotype Control FITC (cat. 11-4301) (left) or Anti-Mouse Vα8.3 TCR FITC (right). Total viable cells were used for analysis.

### Product Information

Contents: Anti-Mouse V alpha 8.3 TCR FITC

**REF** Catalog Number: 11-5803

Clone: B21.14

Concentration: 0.5 mg/ml

Host/Isotype: Rat IgG1, κ

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.

**LOT** Batch Code: Refer to Vial

Use By: Refer to Vial

Caution, contains Azide

### Description

The B21.14 monoclonal antibody reacts with the mouse T-cell receptor (TCR) Vα8.3 chain in all mouse strains tested. Specifically, the epitope of B21.14 has been mapped to three amino acids which are unique to Vα8.3, but are not present in the other Vα8 subfamily members.

### Applications Reported

This B21.14 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This B21.14 antibody has been tested by flow cytometric analysis. 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.

### 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.

Necker A, Rebaï N, Matthes M, Jouvin-Marche E, Cazenave PA, Swarnworawong P, Palmer E, MacDonald HR, Malissen B. Monoclonal antibodies raised against engineered soluble mouse T cell receptors and specific for V alpha 8-, V beta 2- or V beta 10-bearing T cells. *Eur J Immunol.* 1991 Dec;21(12):3035-40.

### Related Products

11-4301 Rat IgG1 K Isotype Control FITC

17-0041 Anti-Mouse CD4 APC (GK1.5)

17-0081 Anti-Mouse CD8a APC (53-6.7)

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