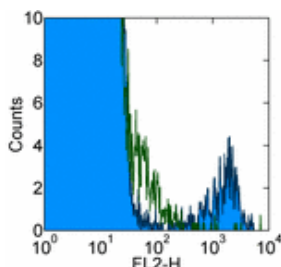


## Anti-Rat gamma delta TCR Purified

Catalog Number: 14-5810

Also Known As: gd TCR, gdTCR, TCRgd

RUO: For Research Use Only



Staining of rat splenocytes with 0.5 µg of Mouse IgG1 κ Isotype Control Purified (cat. 14-4714) (open histogram) or 0.25 µg of Anti-Rat γδ TCR Purified (filled histogram) followed by Anti-Mouse IgG Biotin (cat. 13-4013) and Streptavidin PE (cat. 12-4317). Total viable cells were used for analysis.

### Product Information

Contents: Anti-Rat gamma delta TCR Purified

**REF** Catalog Number: 14-5810

Clone: V65

Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG1

Formulation: Phosphate buffer pH 7.2,  
150 mM NaCl, 0.09% NaN<sub>3</sub>



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

### Description

The V65 monoclonal antibody reacts with the γδ chain of rat TCR. γδ TCR is expressed by dendritic epidermal T cells. Cross-linking of the TCR complex with V65 induces cytokine-dependent T cell stimulation.

### Applications Reported

For research use only, not for diagnostic or therapeutic use. The V65 antibody has been reported for use in flow cytometric analysis, immunoprecipitation, and immunohistochemical staining. It has also been reported in *in vitro* T cell activation, and *in vivo* depletion of γδ TCR<sup>+</sup> cells. (Please use Functional Grade purified V65 in functional assays.)

### Applications Tested

The V65 antibody has been tested by flow cytometric analysis of rat splenocyte and lymph node cell suspensions. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

- Pelegri, C., P. Kuhnlein, E. Buchner, C.B. Schmidt, A. Franch, M. Castell, T. Hunig, F. Emmrich, R.W. Kinne. (1996). "Depletion of g/d T cells does not prevent or ameliorate, but rather aggravates, rat adjuvant arthritis." *Arthritis Rheum.* 39:204-15.
- Kuhnlein, P., J.H. Park, T. Herrmann, A. Elbe, T. Hunig. (1994). "Identification and characterization of rat g/d T lymphocytes in peripheral lymphoid organs, small intestine, and skin with monoclonal antibody to a constant determinant of the g/d T cell receptor." *J Immunol.* 153: 979-86.

### Related Products

- 11-4011 Anti-Mouse IgG FITC
- 11-4317 Streptavidin FITC
- 12-4317 Streptavidin PE
- 13-4013 Anti-Mouse IgG Biotin (Polyclonal)
- 14-4714 Mouse IgG1 K Isotype Control Purified
- 17-4317 Streptavidin APC

