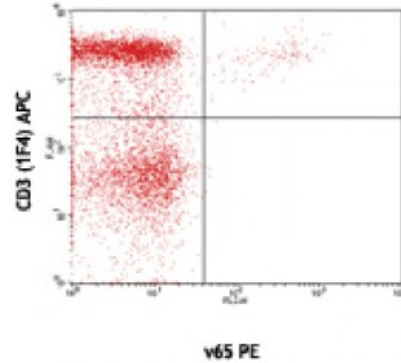


PE anti-rat TCR γ/δ

Catalog # / Size: 1613025 / 50 μ g
Clone: V65
Isotype: Mouse IgG1, κ
Reactivity: Rat
Preparation: The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.2



LOU rat splenocytes stained with CD3 (1F4) APC and V65 PE

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. Additional reported applications (for the relevant formats) include: immunoprecipitation, immunohistochemical staining of acetone-fixed frozen sections, *in vitro* stimulation and *in vivo* depletion.

Application References:

1. Kuhnlein P, *et al.* 1994. *J. Immunol.* 153:979.
2. Pelegri C, *et al.* 1996. *Arthritis Rheum.* 39(2):204.
3. Tsuchiya T, *et al.* 2002. *Amer. J. of Respir. and Crit. Care Med.* 165:1640.
4. Hoffman MH, *et al.* 2012. *Ann Rheum Dis.* 72:1239. [PubMed](#)

Description: TCR $\gamma\delta$ expression is observed on a subset of cells in the thymus, intestinal epithelium, skin, liver, peripheral lymphoid tissues, and peritoneum. The TCR $\gamma\delta$ is involved in the antigen recognition of some bacterial or tumor-associated antigens presented by MHC class I. Immobilized V65 antibody has been reported to activate TCR- $\gamma\delta$ -bearing T cells *in vitro*, and to deplete peripheral TCR- $\gamma\delta$ -bearing T cells *in vivo*

Antigen References:

1. Allison TJ, *et al.* 2001. *Nature* 411:820.
2. Chien YH, *et al.* 1996. *Ann. Rev. Immunol.* 14:511.
3. Hiromatsu K, *et al.* 1992. *J. Exp. Med.* 175:49.
4. Bluestone JA, *et al.* 1