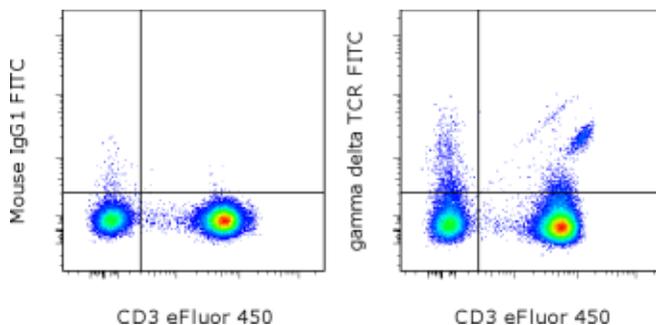


Anti-Human gamma delta TCR FITC

Catalog Number: 11-9959

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



Staining of normal human peripheral blood cells with Anti-Human CD3 eFluor[®] 450 (cat. 48-0038) and Mouse IgG1 K Isotype Control FITC (cat. 11-4714) (left) or Anti-Human gamma delta TCR FITC (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human gamma delta TCR FITC

Catalog Number: 11-9959

Clone: B1.1

Concentration: 5 μ L (4 μ g)/test

Host/Isotype: Mouse IgG1, kappa

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 B1.1 monoclonal antibody reacts with the human gamma delta TCR complex. The gamma delta TCR is expressed by a small subset of T cells in the thymus, peripheral lymphoid tissues, intestinal epithelium, and epidermis. The exact specificity, ligand and function of gamma delta TCR-bearing T cells are not yet fully understood; it is suggested that these cells recognize bacterial ligands and some tumor cells in the context of MHC class I-like gene products and play a role in regulation of the immune response and during bacterial infection. This monoclonal can be used as a phenotypic marker for gamma delta TCR-expressing T cells.

Applications Reported

The B1.1 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The B1.1 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (4 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

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Merlo, A., L. Filgueira, et al. 1993. T-cell receptor V-gene usage in neoplasms of the central nervous system. A comparative analysis in cultured tumor infiltrating and peripheral blood T cells. *J Neurosurg* 78(4): 630-7.

Deetz CO, Hebbeler AM, et al. 2006. Gamma interferon secretion by human Vgamma2Vdelta2 T cells after stimulation with antibody against the T-cell receptor plus the Toll-Like receptor 2 agonist Pam3Cys. *Infect Immun*.

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Related Products

11-4714 Mouse IgG1 K Isotype Control FITC (P3.6.2.8.1)

48-0038 Anti-Human CD3 eFluor® 450 (UCHT1)

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