

## 30-1068PE-DL594: Anti-TCR gamma/delta Monoclonal Antibody (Clone:B1)-PE-Dylight-594

**Clonality :** Monoclonal  
**Clone Name :** B1  
**Application :** FACS  
**Reactivity :** Human,Non-Human Primates  
**Format :** Purified  
**Isotype :** Mouse IgG1

### Description

The antigen-specific T cell receptor (TCR) is composed of either alpha and beta subunit, or gamma and delta subunit. Majority of T cells present in the blood, lymph and secondary lymphoid organs express TCR alpha/beta heterodimers, whereas the T cells expressing TCR gamma/delta heterodimers are localized mainly in epithelial tissues and at the sites of infection. The subunits of TCR heterodimers are covalently bonded and in the endoplasmic reticulum they associate with CD3 subunits to form functional TCR-CD3 complex. Lack of expression of any of the chains is sufficient to stop cell surface expression.

### Product Info

**Amount :** 0.1 mg  
**Purification :** Purified by protein-A affinity chromatography  
**Storage condition :** Store at 2-8°C. Do not freeze.

### Application Note

**Flow Cytometry Immunohistochemistry Immunohistochemistry (frozen sections) Functional Application** blocking

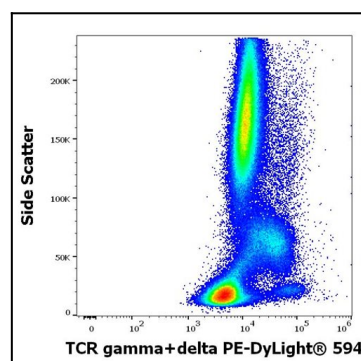


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human TCR gamma/delta (B1) PE-DyLight® 594 antibody (4 µl reagent / 100 µl of peripheral whole blood).

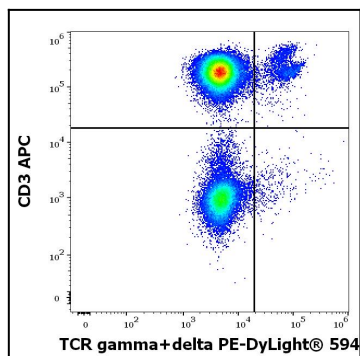


Figure 2: Flow cytometry multicolor surface staining of human lymphocytes stained using anti-human TCR gamma/delta (B1) PE-DyLight® 594 antibody (4  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood) and anti-human CD3 (UCHT1) APC antibody (10  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood).

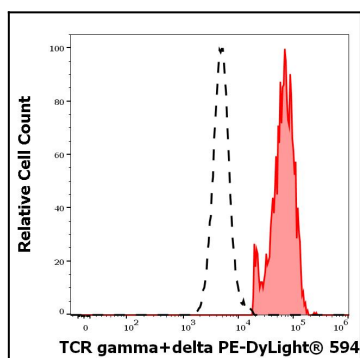


Figure 3: Separation of human TCR gamma/delta positive T cells (red-filled) from TCR gamma/delta negative CD3 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human TCR gamma/delta (B1) PE-DyLight® 594 antibody (4  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood).