

## 30-1461: Anti-TCR gamma/delta Monoclonal Antibody (Clone:V65)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	V65
<b>Application :</b>	FACS
<b>Reactivity :</b>	Rat
<b>Gene :</b>	Cd3d
<b>Gene ID :</b>	25710
<b>Uniprot ID :</b>	P19377
<b>Format :</b>	Purified
<b>Alternative Name :</b>	T-cell receptor T3 delta chain, CD3d, T3d
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	TCR alpha/beta-negative CD3-positive rat T cell hybridoma III.89.1.4 line

### 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

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

### Application Note

**Flow Cytometry** *Recommended dilution:* 1 µg/ml

**Immunoprecipitation Immunohistochemistry (frozen sections) Functional Application** in vitro activation, in vivo depletion of gamma/delta T cells

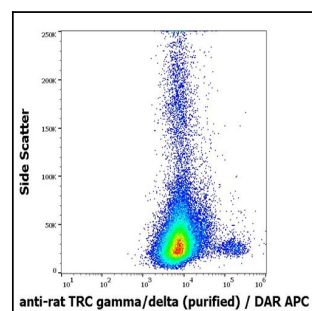


Figure 1: Flow cytometry surface staining pattern of rat splenocytes stained using anti-rat TCR gamma/delta (V65) purified antibody

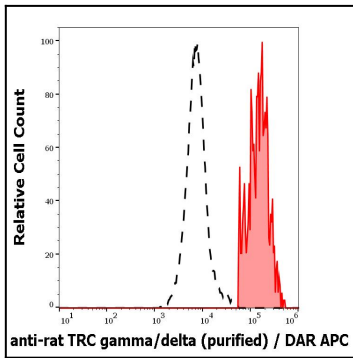


Figure 2: Separation of TCR gamma/delta positive cells (red-filled) from TCR gamma/delta negative cells (black-dashed) in flow cytometry analysis (surface staining) of rat splenocytes stained using anti-rat TCR gamma/delta (V65) purified antibody