

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

Clonality :	Monoclonal
Clone Name :	V65
Application :	FACS
Reactivity :	Rat
Gene :	Cd3d
Gene ID :	25710
Uniprot ID :	P19377
Format :	Purified
Alternative Name :	T-cell receptor T3 delta chain, CD3d, T3d
Isotype :	Mouse IgG1
Immunogen Information :	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

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 *Recommended dilution:* 1 µg/ml

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

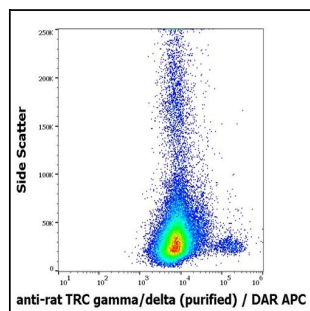


Figure 1: Flow cytometry surface staining pattern of rat splenocytes stained using anti-rat TCR gamma/delta (V65) purified antibody

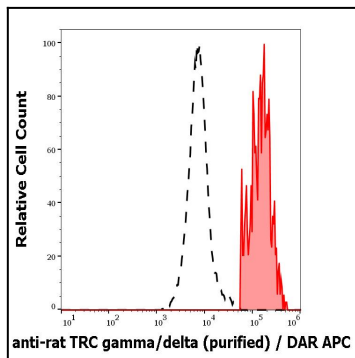


Figure 2: Separation of TCR gamma/delta positive cells (red-filled) from TCR gamma/delta negative cells (black-dashed) in flow cytometry analysis (surface staining) of rat splenocytes stained using anti-rat TCR gamma/delta (V65) purified antibody