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30-2485: Anti-Rat TCR gamma/delta Low Endotoxin Antibody (Clone : V65)

Clonality :	Monoclonal
Clone Name :	V65
Application :	Functional Assay
Reactivity :	Rat
Gene :	PLCG1
Gene ID :	5335
Format :	Low Endotoxin
Alternative Name :	TCRG/D
Isotype :	Mouse IgG1 kappa
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.
Specificity : The mouse monoclonal antibody V65 recognizes an extracellular epitope of TCR gamma/delta, the subtype of T cell receptor expressed mainly in epithelial tissues and at the sites of infection.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Content :	1 mg/ml Formulation : Low endotoxin azide free phosphate buffered saline (PBS) solution, 0.2 µm filter sterilized. Endotoxin level is less than 0.01 EU/µg of the protein, as determined by the LAL test.
Storage condition :	Store at 2-8°C. Do not freeze.

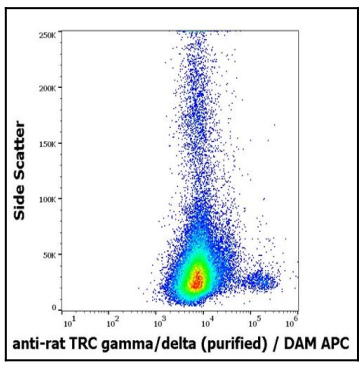


Figure 1: Flow cytometry surface staining pattern of rat splenocytes stained using anti-rat TCR gamma/delta (V65) purified antibody

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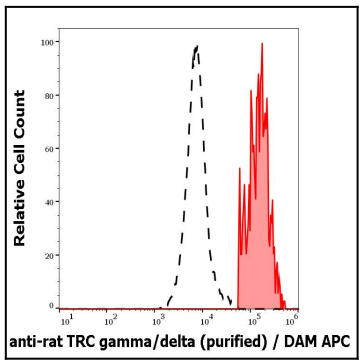


Figure 2: Separation of TCR gamma/delta positive cells from TCR gamma/delta negative cells in flow cytometry analysis of rat splenocytes stained using anti-rat TCR gamma/delta (V65) purified antibody

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