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APC Rabbit anti-Human TCR γ/δ mAb

Catalog No.: A28555

Basic Information

Observed MW

Calculated MW

Category
Primary antibody

Applications
FC

Cross-Reactivity
Human

CloneNo number
ARC79216

Conjugate
APC. Ex:650nm. Em:660nm.

Background

The γδ T-cell receptor (TCR) is a heterodimer composed of γ and δ chains, expressed on the T-cell surface and involved in antigen recognition. The engagement of the γδ TCR with antigen triggers the phosphorylation of immunoreceptor tyrosine-based activation motifs (ITAMs) within the CD3 chains. Unlike αβ T cells, human γδ T cells recognize and kill transformed cells in a manner unrestricted by human leukocyte antigen (HLA) presentation. γδ T lymphocytes primarily develop in the thymus, where their defining receptor is generated through RAG-mediated recombination of a relatively limited repertoire of variable (V), diversity (D), and joining (J) gene segments. In addition to the T-cell receptor, γδ T cells often express activating natural killer (NK) receptors, which bind to stress-induced surface molecules frequently expressed on malignant cells.

Recommended Dilutions

FC	5 µl per 10^6 cells in 100 µl volume

Immunogen Information

Gene ID
6964/6965

Swiss Prot

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
TCRD; TRD@; TCRDV1; TCRG; TRG@

Contact

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Product Information

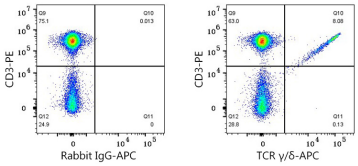
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

Validation Data



Flow cytometry:1X10^6 Human PBMC were surface-stained with PE Mouse anti-Human CD3 mAb (A25083,5 µl/Test) and APC Rabbit IgG isotype control (A24173,5 µl/Test,left) or APC Rabbit anti-Human TCR γ/δ mAb (A28555,5 µl/Test,right). Cells in the lymphocyte gate were used for analysis.