

InnoCyto Inc.

15375 Barranca Pkwy, Suite I-103 Irvine, CA 92618

Technical Data Sheet

APC Anti-Mouse CD3

Catalog Number: 201113, 201114

Size: 25 tests, 100 tests

Target Name: CD3, T cell antigen receptor complex, T3

Regulatory Status: RUO

Product Details

Clone: 17A2
Application: FC
Reactivity: Mouse
Format: APC
Isotype: Rat IgG2b

Antibody Type: Monoclonal

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v)

BSA

Protein Concentration: Supplied at a lot-specific concentration.

Storage&Handling: The antibody solution should be stored undiluted between 2°C and 8°C, and

protected from prolonged exposure to light. Do not freeze.

Recommended Usage: For flow cytometric staining, it is recommended to use 5 uL of this reagent per 0.5-1.0 million cells in a 100 μ L volume. Optimal reagent performance should be determined by

titration for each specific application. **Excitation Laser:** Red Laser (633 nm)

Background Information

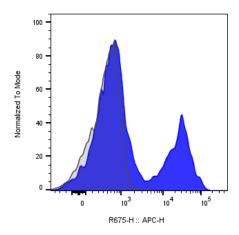
CD3 (cluster of differentiation 3) is a protein complex and T cell co-receptor that is involved in activating both the cytotoxic T cell (CD8+ naive T cells) and T helper cells (CD4+ naive T cells). CD3 is a member of the Ig superfamily and primarily expressed on T cells, NK-T cells, and at different levels on thymocytes during T cell differentiation. CD3 is composed of CD3?, ?, ? and ? chains. It forms a TCR complex by associating with TCR ?/? or ?/? chains. CD3 plays a critical role in TCR signal transduction, T cell activation, and antigen recognition by binding the peptide/MHC antigen complex

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Mouse splenocytes stained with either APC Anti-Mouse CD3 clone 17A2 (color-filled histogram) or an isotype control (gray histogram).