

InnoCyto Inc.

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Technical Data Sheet

Anti-Mouse CD3

Catalog Number: 200101, 200102

Size: 100 ug, 500 ug

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

Regulatory Status: RUO

Product Details

Clone: KT3
Application: FC
Reactivity: Mouse
Format: Purified
Isotype: Rat IgG2a

Antibody Type: Monoclonal

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

Protein Concentration: 0.5 mg/mL

Storage and Handling: Store the antibody undiluted at 2°C to 8°C.

Recommended Usage: For flow cytometric staining, it is recommended to use less than 0.2 ug 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

Background Information

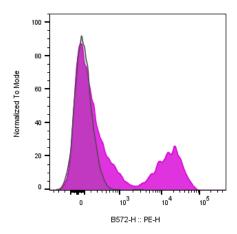
CD3 (cluster of differentiation 3) is a protein complex and T cell co-receptor that is involved in activating both the cytotoxic T cell (CD8+ naive T cells) and T helper cells (CD4+ naive T cells). CD3 is a member of the Ig superfamily and primarily expressed on T cells, NK-T cells, and at different 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 purified Anti-Mouse CD3 Clone KT3 (color-filled histogram) or an isotype control (gray histogram), followed by secondary PE anti-rat IgG.