PerCP-Cy5.5 anti-human CD3 Recombinant Antibody

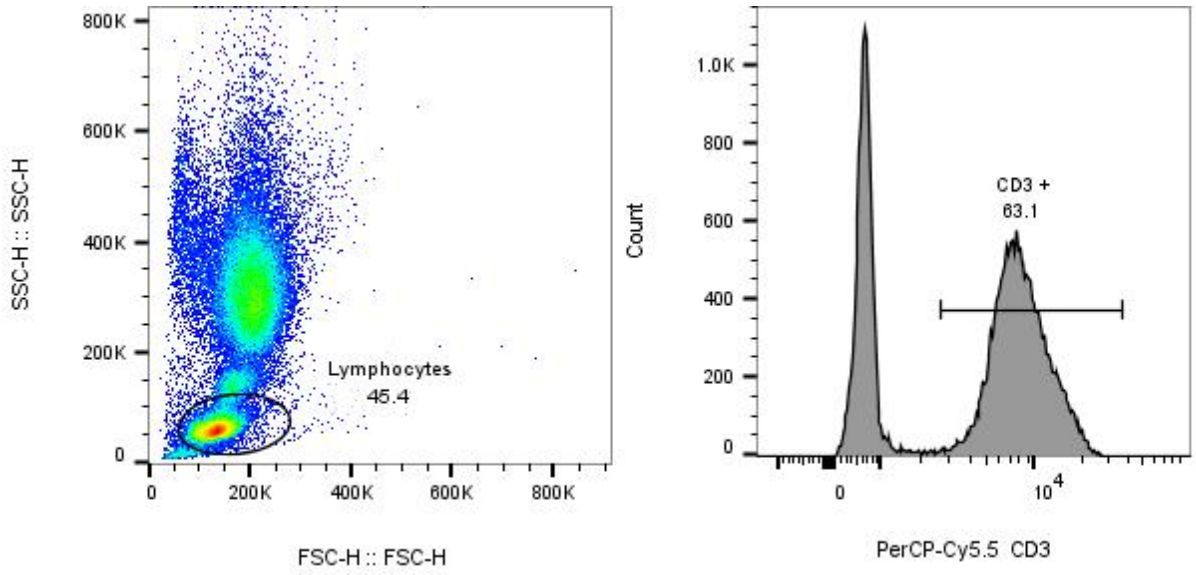
Catalog# / Size	G-0020-41 /25Tests G-0020-42 /100Tests
Clone	KEL-CD3-001
Regulatory Status	RUO
Workshop	V CD03.05
Other Names	T3, CD3ε
Isotype	**human IgG1, κ**
Description	CD3ε is a 20 kD chain of the CD3/T-cell receptor (TCR) complex which is composed of two CD3ε , one CD3γ , one CD3δ, one CD3ζ (CD247), and a T-cell receptor (α/β or γ/δ) heterodimer. It is found on all mature T lymphocytes, NK-T cells, and some thymocytes. CD3, also known as T3, is a member of the immunoglobulin superfamily that plays a role in antigen recognition, signal transduction, and T cell activation.

Product Details

Isotype Control	PerCP/Cyanine5.5 human IgG1, κ
Verified Reactivity	Human
Antibody Type	Recombinant Antibody
Host Species	Mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography, and conjugated with PerCP/Cyanine5.5 under optimal conditions.
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.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood. * PerCP/Cyanine5.5 has a maximum absorption of 482 nm and 564 nm and a maximun emission of 690 nm.
Excitation Laser	Blue Laser (488 nm)

Ligand/Receptor	Antigen recognition, signal transduction, T cell activation， Peptide antigen bound to MHC
Cell Type	NKT cells, T cells, Thymocytes, Tregs
Biology Area	Immunology
Molecular Family	CD Molecules, TCRs
Antigen References	1. Barclay N, et al. 1993. The Leucocyte FactsBook. Academic Press. San Diego. 2. Beverly P, et al. 1981. Eur. J. Immunol. 11:329. 3. Lanier L, et al. 1986. J. Immunol. 137:2501-2507.
Gene ID	916

Product Data



Human peripheral blood lymphocytes were surface stained