

**DATA SHEET****APC anti-human CD4 Antibody****Code Number#21-300537****Pack Size: 500 tests**

<b>Clone:</b>	RPA-T4
<b>Isotype:</b>	Mouse IgG1, $\kappa$
<b>Description:</b>	CD4, also known as T4, is a 55 kD single-chain type I transmembrane glycoprotein expressed on most thymocytes, a subset of T cells, and monocytes/macrophages. CD4, a member of the Ig superfamily, recognizes antigens associated with MHC class II molecules, and participates in cell-cell interactions, thymic differentiation, and signal transduction. CD4 acts as a primary receptor for HIV, binding to HIV gp120. CD4 has also been shown to interact with IL-16.
<b>Reactivity:</b>	Human, Chimpanzee
<b>Antibody Type:</b>	Monoclonal
<b>Host Species:</b>	Mouse
<b>Immunogen:</b>	IL-7Ra-IgG1 fusion protein
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
<b>Preparation:</b>	The antibody was purified by affinity chromatography, and conjugated with APC under optimal conditions.
<b>Concentration:</b>	0.2 mg/ml
<b>Storage &amp; Handling:</b>	The CD4 antibody solution should be stored undiluted between 2°C and 8°C. Do not freeze.
<b>Application:</b>	FC - Quality tested
<b>Recommended Usage:</b>	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining using the $\mu\text{g}$ size, the suggested use of this reagent is $\leq 0.25 \mu\text{g}$ per million cells in 100 $\mu\text{l}$ volume. It is recommended that the reagent be titrated for optimal performance for each application. For flow cytometric staining using the test sizes, the suggested use of this reagent is 5 $\mu\text{l}$ per million cells in 100 $\mu\text{l}$ staining volume or 5 $\mu\text{l}$ per 100 $\mu\text{l}$ of whole blood.

**For In-Vitro Diagnostic Use. Not For Human Or Animal Consumption.**