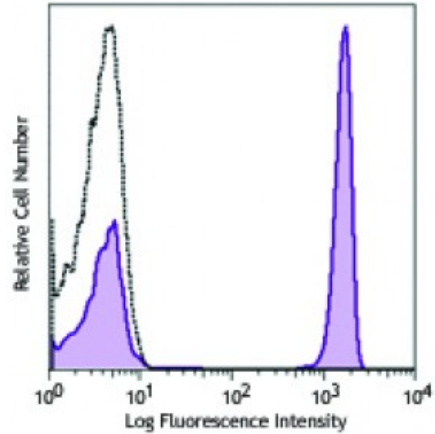


**PE anti-human CD4**

<b>Catalog # / Size:</b>	2387015 / 25 tests 2387020 / 100 tests
<b>Clone:</b>	A161A1
<b>Isotype:</b>	Rat IgG2b, $\kappa$
<b>Immunogen:</b>	Human CD4 T cells
<b>Reactivity:</b>	Human
<b>Preparation:</b>	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
<b>Concentration:</b>	Lot-specific



Human peripheral blood lymphocytes were stained with CD4 (clone A161A1) PE (filled histogram) or rat IgG2b,  $\kappa$  PE isotype control (open histogram).

**Applications:**

<b>Applications:</b>	Flow Cytometry
<b>Recommended Usage:</b>	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 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**Description:** CD4, also known as T4/Leu-3, is a 55 kD single-chain type I transmembrane glycoprotein and member of the immunoglobulin superfamily. It is expressed on most thymocytes, helper T cells, type II NKT cells, and monocytes/macrophages. CD4 is part of the TCR/CD3 complex, binds to  $\beta 2$  domain from the MHC class II molecule, and participates in TCR signal transduction. CD4 is the receptor of IL-16 and is a coreceptor for the human immunodeficiency virus (HIV) and human herpes virus 7 (HHV-7).

<b>Antigen</b>	1. Zhu J, <i>et al.</i> 2010. <i>Annu Rev. Immunol.</i> 28:445.
<b>References:</b>	2. Vignali DA. 2010. <i>J. Immunol.</i> 184:5933.
	3. Zhou L, <i>et al.</i> 2009. <i>Immunity</i> 30:646.
	4. Singer A, <i>et al.</i> 2008. <i>Nat. Rev. Immunol.</i> <