



Product Datasheet
**Human CD4 Monoclonal Antibody
(AGEL0397)**
Catalogue Code: AGEL0397

Antibody Data

Product SKU:	AGEL0397	Clone	RPA-T4
Applications:	FC,IHC	Conjugate	Unconjugated
Reactivity:	Human		

Immunogen Information:

Gene ID: 920

Swiss Prot: P01730

Synonyms: T-cell surface glycoprotein CD4, CD4, T-cell surface antigen T4/Leu-3, CD4

Product Information:

Host Species: Mouse

Isotype: Mouse IgG1

Storage: PBS with 0.05% Proclin300

Recommended Dilution: 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 $\leq 1.0 \mu\text{g}$ per 10^6 cells in 100 μl volume or 100 μl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Background:

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).

Images:

