

## 10-4090: Monoclonal Antibody to CD4 (Clone: RPA-T4)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	RPA-T4
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	CD4
<b>Gene ID :</b>	920
<b>Uniprot ID :</b>	P01730
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CD4
<b>Isotype :</b>	Mouse IgG1 Kappa
<b>Immunogen Information :</b>	PHA-stimulated human PBMC.

### Description

CD4 is a 51 kDa membrane glycoprotein that is expressed on subsets of thymocytes and mature T lymphocytes where it works as co-receptor for T-cell receptor and interacts with MHC Class II processed antigens. CD4 is also expressed on surface of monocytes, macrophages and dendritic cells. CD4 also regulates T-cell activation and differentiation. CD4 is identified as the cellular receptor for HIV and several other viral infections. CD4 is highly expressed in thymus, spleen and lymphocyte.

### Product Info

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

FACS analysis: 0.5 µg/10<sup>6</sup> cells

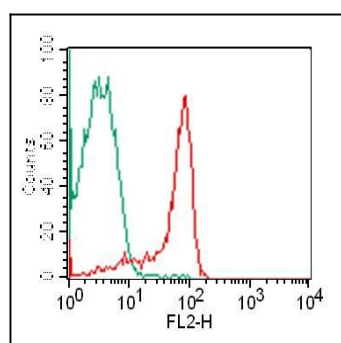


Fig-1: Cell Surface flow analysis of hCD4 in PBMC (Lymphocytes) using 0.5 µg/10<sup>6</sup> cells. Green represents isotype control (ABEOMICS); red represents anti-hCD4 antibody (10-4090). Goat anti-mouse PE conjugated secondary antibody (ABEOMICS) was used.