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

Clonality :	Monoclonal
Clone Name :	RPA-T4
Application :	FACS
Reactivity :	Human
Gene :	CD4
Gene ID :	920
Uniprot ID :	P01730
Format :	Purified
Alternative Name :	CD4
Isotype :	Mouse IgG1 Kappa
Immunogen Information :	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 differention. 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

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	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.
Storage condition :	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/10^6 cells

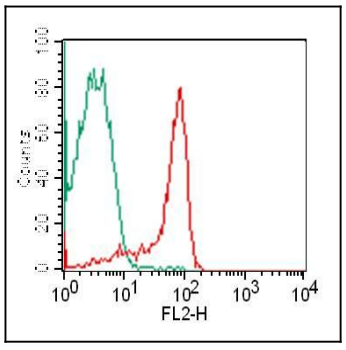


Fig-1: Cell Surface flow analysis of hCD4 in PBMC (Lymphocytes) using 0.5 µg/10^6 cells. Green represents isotype control (ABEOMICS); red represents anti-hCD4 antibody (10-4090). Goat anti-mouse PE conjugated secondary antibody (ABEOMICS) was used.

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