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

Clonality: Monoclonal Clone Name: RPA-T4 **FACS** Application: Reactivity: Human Gene: CD4 Gene ID: 920 **Uniprot ID:** P01730 **Purified** Format: **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 : $25 \mu g / 100 \mu g$

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/10⁶ cells

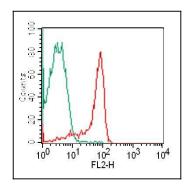


Fig-1: Cell Surface flow analysis of hCD4 in PBMC (Lymphocytes) using $0.5 \mu g/10^6$ cells. Green represents isotype control (ABEOMICS); red represents anti-hCD4 antibody (10-4090). Goat anti-mouse PE conjugated secondary antibody (ABEOMICS) was used.