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

Clonality: Monoclonal Clone Name: RPA-T4 Application: **FACS** Reactivity: Human Conjugate: **FITC** 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 : $25 \mu g / 100 \mu g$

Purification: Protein G Chromatography

Content: 0.2 mg/ml in Tris buffer containing 0.05% Azide **Storage condition:** Store the antibody at 4°C, stable for 6 months.

Application Note

FACS analysis: 0.5 µg/10^6 cells

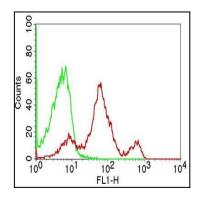


Fig-1: Cell surface flow analysis of hCD4 antibody in PBMC using 0.5 μg/10⁶ cells. Green represents isotype control (ABEOMICS); red represents anti-hCD4 antibody conjugated with FITC (10-4090F).