

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

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 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

Amount :	25 µg / 100 µg
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<sup>6</sup> cells

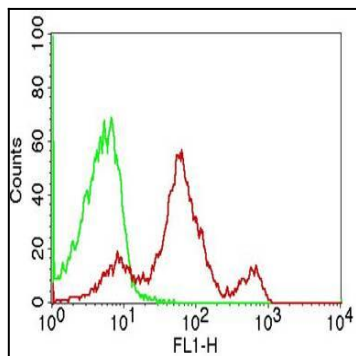


Fig-1: Cell surface flow analysis of hCD4 antibody in PBMC using 0.5 µg/10<sup>6</sup> cells. Green represents isotype control (ABEOMICS); red represents anti-hCD4 antibody conjugated with FITC (10-4090F).