

### 36-3823: Anti-CD4, Mouse (T-Cell Marker) Monoclonal Antibody(Clone: GK1.5)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	GK1.5
<b>Application :</b>	ELISA,FACS,IF
<b>Reactivity :</b>	Mouse
<b>Gene ID :</b>	12504
<b>Uniprot ID :</b>	P06332
<b>Alternative Name :</b>	CD4 (L3T4); CD4; CD4+ Lymphocyte deficiency, included; Leu3; Ly-4; Lymphocyte antigen CD4; p55; T cell differentiation antigen L3T4; T-cell surface antigen T4/Leu-3; T-cell surface glycoprotein CD4
<b>Isotype :</b>	Rat IgG2b, kappa
<b>Immunogen Information :</b>	Mouse CTL clone V4

#### Description

CD4 is a member of the Ig superfamily, primarily expressed on most thymocytes, a subset of T cells, and weakly on macrophages and dendritic cells. It acts as a coreceptor with the TCR during T cell activation and thymic differentiation by binding MHC class II and associating with the protein tyrosine kinase, lck. CD4 is expressed by the majority of thymocytes, most helper T cells, a subset of NK-T cells and weakly by dendritic cells and macrophages. CD4 plays an important role in the development of T cells and is required for mature T cells to function optimally. This antibody blocks helper T cell responses to MHC class II antigens, including cytolysis, proliferation, allogeneic B cell help, and release of lymphokines.

#### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

#### Application Note

ELISA (For coating, order Ab without BSA & Azide); Neutralization Studies (Order Ab without BSA & Azide); Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);