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

Clonality :	Monoclonal
Clone Name :	GK1.5
Application :	ELISA,FACS,IF
Reactivity :	Mouse
Gene ID :	12504
Uniprot ID :	P06332
Alternative Name :	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
Isotype :	Rat IgG2b, kappa
Immunogen Information :	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

Amount :	20 µg / 100 µg
Content :	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.
Storage condition :	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);

For Research Use Only. Not for use in diagnostic/therapeutics procedures.