CD4 Antibody Clone GK1.5 / Mouse T Cell Depletion Antibody [clone GK1.5] (V8352)

Catalog No.	Formulation	Size
V8352-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8352-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8352SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Purified
Host	Rat
Clonality	Monoclonal (rat origin)
Isotype	Rat IgG2b, kappa
Clone Name	GK1.5
Purity	Protein G affinity chromatography
UniProt	P06332
Localization	Cell surface
Applications	ELISA (order BSA-free format for coating & Azide) Neutralization Studies (order BSA/azide-free format) Flow cytometry: 1-2ug/10^6 cells in 0.1ml Immunofluorescence: 1-2ug/ml
Limitations	This CD4 Antibody Clone GK1.5 / Mouse T Cell Depletion Antibody is available for research use only.



Description

CD4 molecule (CD4) is a cell surface glycoprotein expressed primarily on T helper lymphocytes, where it functions as a co-receptor for antigen recognition and plays a central role in adaptive immune responses. CD4 Antibody Clone GK1.5 is one of the most extensively used and well-documented antibodies for detection of CD4 in mouse immune systems, with a large body of peer-reviewed literature supporting its use in immunological research.

CD4 antibody, also known as T helper cell marker antibody or CD4 surface receptor antibody, is essential for identifying CD4-positive T cells in experimental systems. CD4 Antibody Clone GK1.5 has been reported in thousands of peer-reviewed publications, establishing it as a benchmark reagent for CD4 detection. This extensive publication record reflects consistent performance and broad adoption in studies of T cell biology, immune regulation, and disease models.

CD4 Antibody Clone GK1.5 is widely used in mouse immunology research, where it enables detection and analysis of CD4-positive T helper lymphocytes in experimental models. This clone has been used in studies examining T cell development, immune activation, and functional responses in models of infection, autoimmunity, and cancer. Its extensive use across diverse research areas highlights its reliability and utility for investigating CD4-positive cell populations.

This antibody is generated in rat against mouse CD4, providing a well-established tool for detection of CD4 in mouse-derived systems. CD4 Antibody Clone GK1.5 supports consistent identification of CD4-positive T cells and has been widely applied in experimental models to study immune cell dynamics and function. Its long-standing use in the literature reinforces its position as a reference-standard clone for CD4 detection in mouse immunology.

CD4 is localized to the plasma membrane of T helper lymphocytes, where it contributes to antigen-specific signaling and immune activation. CD4 Antibody Clone GK1.5 targets this receptor and enables detection of CD4-expressing cells in research applications, supporting detailed analysis of T cell populations and immune system behavior in experimental models. Its extensive validation through published studies makes it a widely recognized and trusted reagent for CD4 detection.

A full range of CD4 antibody reagents for immunohistochemistry, western blot, and flow cytometry is available on our CD4 Antibody collection page.

Application Notes

Optimal dilution of the CD4 Antibody Clone GK1.5 / Mouse T Cell Depletion Antibody should be determined by the researcher.

Immunogen

Mouse CTL clone V4 was used as the immunogen for the CD4 Antibody Clone GK1.5 / Mouse T Cell Depletion Antibody.

Storage

Store the CD4 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

CD4 GK1.5 antibody, CD4 clone GK1.5 antibody, CD4 depletion antibody, CD4 rat monoclonal antibody

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