

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 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

Alternate Names

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