

Anti- Mouse CD4 (GK1.5)

Fluorochrome	Reference	Size (µg)
Pure	MO4PU (V500)	500
Pure	MO4PU (V100)	100
FITC	MO4F (V500)	500
FITC	MO4F (V100)	100
FITC	MO4F (V25)	25
PE	MO4PE (V100)	100
PE	MO4PE (V25)	25
PerCP	MO4PP (V100)	100
PerCP	MO4PP (V25)	25
APC	MO4A (V100)	100
APC	MO4A (V25)	25
Biotin	MO4B (V100)	100
Biotin	MO4B (V25)	25
CF-Blue	MO4CFB (V100)	100
CF-Blue	MO4CFB (V25)	25
PerCP-Cyanine5.5	MO4PP5.5 (V100)	100
PerCP-Cyanine5.5	MO4PP5.5 (V25)	25

PRODUCT DESCRIPTION

Clone: GK1.5

Isotype: Rat IgG2b, kappa

Tested application: flow cytometry

Immunogen: The anti-CD4 monoclonal antibody derives from Rat immunised with Tissue/ cell preparation (Mouse) and cloned mouse CTL line V4.

Species reactivity: Mouse

Storage instruction: store in the dark at 2-8 °C

Storage buffer: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide (NaN₃).

Recommended usage: Immunostep's CD4, clone GK1.5, is a monoclonal antibody intended for the identification and enumeration of mouse sample lymphocytes that express CD4 using flow cytometry. This reagent is effective for direct immunofluorescence staining of mouse tissue for flow cytometric analysis using $\leq 1 \mu\text{g}/10^6$ cells.

Presentation: liquid.

Source: Supernatant proceeding from an *in vitro* cell culture of a cell hybridoma.

Purification: Affinity chromatography.

ANTIGEN DETAILS

Large description: Anti-Mouse CD4 reacts with a protein also known as L3T4 or T4. It 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 tyrosin kinase, lck.⁽¹⁻⁵⁾

Other Names: CD4, L3T4, T4

Gene ID: I2504

Molecular weight: 55 kDa

Please, refer to www.immunostep.com technical support for more information.

WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties. Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

REFERENCES

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- Krupnick AS, Lin X, Li W, Higashikubo R, Zinselmeyer BH, Hartzler H, et al. Central memory CD8+ T lymphocytes mediate lung allograft acceptance. *J Clin Invest Mar*;124(3):1130-43.
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