

TECHNICAL DATA SHEET

CyFlow™ CD4 Purified Anti-Ms; Clone GK1.5

REF AU232784



Sysmex Partec GmbH
Arndtstraße 11 a-b
02826 Görlitz
Tel +49 3581 8746 0
E-mail: info@sysmex-partec.com
www.sysmex-partec.com

For Research Use Only.
Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD4
Alternative Names	T4, Leu3a
Clone	GK1.5
Clonality	monoclonal
Format	Purified
Host / Isotype	Rat / IgG2b
Species Reactivity	Mouse
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/mL]
Immunogen	Mouse CTL clone V4 cells

The Safety Data Sheet for this product is available at www.sysmex-partec.com/services

Specificity

The rat monoclonal antibody GK1.5 recognizes an extracellular epitope of mouse CD4 transmembrane glycoprotein (55 kDa).

HLDA V—WS Code T T-CD04.10

HLDA VI—WS Code T 6T-013

Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Immunohistochemistry (frozen sections)
- Immunocytochemistry
- Functional assays

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH \approx 7.4, containing 0.09% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

CD4 (T4, Leu3a) is a 55 kDa single-chain transmembrane glycoprotein expressed on a subset of T lymphocytes ("helper" T-cells) and also on monocytes, tissue macrophages and granulocytes. In extracellular region there are 4 immunoglobulin-like domains (1 Ig-like V-type and 3 Ig-like C2-type). Transmembrane region forms 25 aa, cytoplasmic tail consists of 38 aa. Domains 1, 2 and 4 are stabilized by disulfide bonds. The intracellular domain of CD4 is associated with p56Lck, a Src-like protein tyrosine kinase.

Warnings

Non-Hazardous Statement: This is not considered hazardous by the criteria in 29 CFR 1910.1200 or the General Classification guideline for preparations of the EU.










Safety Data Sheet Statement: Important information regarding the safe handling, transport, and disposal of this product is contained in the Safety Data Sheet.

The Safety Data Sheet for this product is available at www.sysmex-partec.com/services

References

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- Yi H, Zhen Y, Zeng C, Zhang L, Zhao Y: Depleting anti-CD4 monoclonal antibody (GK1.5) treatment: influence on regulatory CD4+CD25+Foxp3+ T cells in mice. *Transplantation.* 2008 Apr 27; 85(8):1167-74. < PMID: 18431238 >
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Symbols

	Reagent catalogue number		Contains sufficient for <n> tests
	For Research Use Only. Not for use in diagnostic and therapeutic procedures.		Temperature limitation
	Batch code		Keep away from sunlight
	Manufacturer		Consult accompanying documents
	Use by		