Miltenyi Biotec

MACS® GMP CD4-PerCP

Order no. 170-076-506

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1. Description

Components	1 vial containing 5 mL MACS® GMP CD4-PerCP
Product format	MACS GMP CD4-PerCP is supplied in phosphate-buffered saline (PBS), pH 7.4, and stabilizer containing 0.03 % poloxamer 188.
Clone	M-T466 (isotype: mouse IgG1)
Capacity	For labeling up to 1×10^9 total cells.
Source	Mouse hybridoma cells
Endotoxin content	≤5 EU/mL as determined by kinetic Limulus Amebocyte Lysate (LAL) assay (Pharmacopoeia Europaea (Ph. Eur.)).
Stain Index	>2.5 as defined by $\frac{(\textit{mean positive cells}) - (\textit{mean negative cells})}{2 \times (\textit{standard deviation negative cells})}$
Sterility	Sterile. Manufactured aseptically, sterile filtered, filled aseptically.
Transport	At +2 °C to +8 °C (+36 °F to +46 °F).
Storage	Store MACS GMP CD4-PerCP protected from light at +2 °C to +8 °C (+36 °F to +46 °F) directly upon arrival.
Shelf life	The use-by-date is indicated on the vial label.

Disclaimer

MACS GMP Products are for *ex vivo* cell processing only, and are not intended for human *in vivo* applications. For regulatory status in the USA, please contact your local representative.

Quality statement

MACS GMP Products are manufactured and tested under a quality management system (ISO 13485) and are in compliance with relevant GMP guidelines. They are designed following the recommendations of USP <1043> on ancillary materials. The manufacturing and testing of this product is compliant with the requirements laid down in the Ph.Eur. Chapter 5.2.12.

The declaration of animal- or human-derived materials is given on the Certificate of Origin.

Background information

MACS GMP CD4-PerCP consists of a mouse monoclonal antibody against the human CD4 antigen conjugated to Peridinin Chlorophyll Protein (PerCP).

CD4 is highly expressed on human T helper cells and thymocytes, and at lower levels on monocytes and dendritic cells. It is responsible for the recognition of the MHC Class II antigen.

2. Applications

Fluorescent labeling of CD4 antigen on human cells.

3. Warnings and precautions

- The instructions for use must be followed.
- Do not inject or infuse the product directly into humans. Not for human application.
- When using this product, the national legislation and regulations must be followed. Any application of *ex vivo* processed target cells is exclusively within the responsibility of the user.
- For single use only. Do not reuse.
- Use undamaged and sealed vials only.
- Do not use after the use-by date indicated on the vial label.

4. Instructions for use

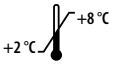
- For labeling cells and flow cytometric analysis the recommended antibody dilution for MACS GMP CD4-PerCP is 1:11. Up to 1×10^9 total cells in 50 mL of CliniMACS PBS/EDTA Buffer are labeled with 1 vial of MACS GMP CD4-PerCP.
- For detailed instructions, refer to the Special Protocol for MACS® GMP labeling of cells and preparation for cell sort on MACSQuant® Tyto® on our website.

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5. Glossary of symbols

	Manufacturer		Temperature limit
	Order number		Keep away from sunlight.
	Part number		Do not use if package is damaged.
	Batch code		Phone
	Consult instruction for use		Fax
	Use-by date		E-mail
	Sterilized using aseptic processing techniques		Website

This data sheet and corresponding information as well as special protocols can be found under **www.miltenyibiotec.com/170-076-506.**

Warranty

The products sold hereunder are warranted only to be free from defects in workmanship and material at the time of delivery to the customer. Miltenyi Biotec B.V. & Co. KG makes no warranty or representation, either expressed or implied, with respect to the fitness of a product for a particular purpose. There are no warranties, expressed or implied, which extend beyond the technical specifications of the products. Miltenyi Biotec B.V. & Co. KG's liability is limited to either replacement of the products or refund of the purchase price. Miltenyi Biotec B.V. & Co. KG is not liable for any property damage, personal injury or economic loss caused by the product.

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