Miltenyi Biotec

MACS® GMP CD127-APC

Order no. 170-076-501

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1. Description

Components	1 vial containing 5 mL MACS® GMP CD127-APC
Product format	MACS® GMP CD127-APC is supplied in phosphate-buffered saline (PBS), pH 7.4, and stabilizer containing 0.1% recombinant human serum albumin (rHSA).
Clone	MB15-18C9 (isotype: mouse IgG2a)
Capacity	For labeling up to 1×10^9 total cells.
Source	Mouse hybridoma cells
Endotoxin content	≤2 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 CD127-APC 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 CD127-APC consists of a mouse monoclonal antibody against the CD127 antigen conjugated to Allophycocyanin (APC). The CD127 antibody (clone MB15-18C9) recognizes the CD127 antigen, which is the α-chain of the IL-7 receptor, a type I membrane glycoprotein.

CD127 can be identified on immature B cells through the early pre-B stage, on thymocytes, and on most mature T cells with transient down-regulation upon activation. On regulatory T cells CD127 is absent and its expression is inversely correlated with FoxP3 expression and suppressive function. CD127 is also used by thymic stromal derived lymphopoietin (TSLP) as part of a complex.

2. Applications

Labeling of CD127 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 CD127-APC 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 CD127-APC.
- 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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Miltenyi Biotec B.V. & Co. KG
Friedrich-Ebert-Straße 68, 51429 Bergisch Gladbach, Germany
+49 2204 8306-0, +49 2204 85197
macs@miltenyibiotec.de
www.miltenyibiotec.com

Miltenyi Biotec Inc.
2303 Lindbergh Street, Auburn, CA 95602, USA
800 FOR MACS, +1 530 888 8871, +1 877 591 1060
macs@miltenyibiotec.com

5. Glossary of symbols

	Manufacturer	+2 °C +8 °C	Temperature limit
REF	Order number		Keep away from sunlight.
P/N	Part number		Do not use if package is damaged.
LOT	Batch code		Phone
	Consult instruction for use		Fax
	Use-by date		E-mail
STERILE A	Sterilized using aseptic processing techniques		Website

This data sheet and corresponding information as well as special protocols can be found under **www.miltenyibiotec.com/170-076-501.**

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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