

# Monoclonal Antibody to the Human CD105 Antigen

Catalog Numbers MHCD10500, MHCD10520, MHCD10504, and MHCD10505

Pub. No. MAN0005009 Rev. C00



**WARNING!** Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from [thermofisher.com/support](https://www.thermofisher.com/support).

## Product description

Mouse monoclonal antibody to the human CD105 (endoglin) antigen

- **Clone:** SN6
- **Isotype:** Mouse IgG1
- **Lot No:** See label
- **Expiration:** See label
- **Buffer:** Phosphate buffered saline (PBS)
- **Stabilizer:** Highly purified BSA (for conjugated products only)
- **Preservative:** 0.1% sodium azide

## Product characterization

Property	Property information
Antigen specificity	This antibody recognizes the CD105 antigen. Also known as endoglin, this antigen is expressed on endothelial cells, some bone marrow cells, and activated macrophages.
Leukocyte workshop status	Leukocyte Typing VI

## Product use

Each lot is tested by flow cytometry using human peripheral blood leukocytes (PBL). As conditions may vary, it is recommended that each investigator determine the optimal amount of antibody to be used for each application.

## Storage and handling

- Store reagents at 2–8°C.
- Avoid light exposure with fluorochrome-conjugated antibodies.
- Use dim light during handling, incubation with cells and before analysis.
- Analyze cells within 18 hours of staining.
- Dilute only the amount of reagent needed within a week if diluting the reagent.

## Contents

Catalog numbers that appear as links open the web pages for those products.

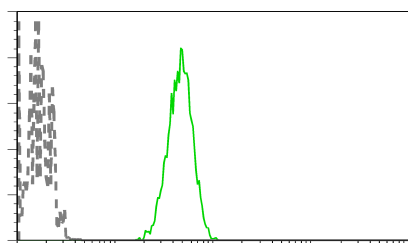
To see a complete list of our antibody offerings, go to <https://www.thermofisher.com/in/en/home/life-science/antibodies.html>.

**Table 1 Monoclonal Antibodies to the Human CD105 Antigen**

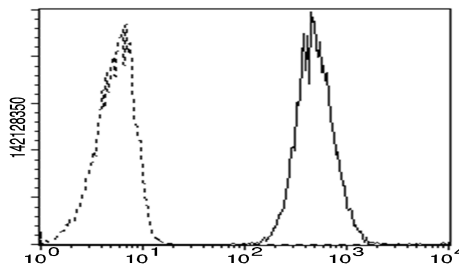
Cat. No.	Component	Amount	Tests (minimum)	Excitation (nm)	Peak Emission (nm)
<a href="#">MHCD10500</a>	Purified	100 µg	N/A	N/A	N/A
<a href="#">MHCD10520</a>	Alexa Fluor™ 488	0.5 mL	100	488	519
<a href="#">MHCD10504</a>	R-PE	0.5 mL	100	488	575
<a href="#">MHCD10505</a>	APC	0.5 mL	100	600-650	660

**Note:** The Alexa Fluor™ dye conjugate in this product is sold under license from Molecular Probes, Inc., for research use only or as analyte specific reagents, except for use in combination with microarrays or high content screening, and are covered by pending and issued patents.

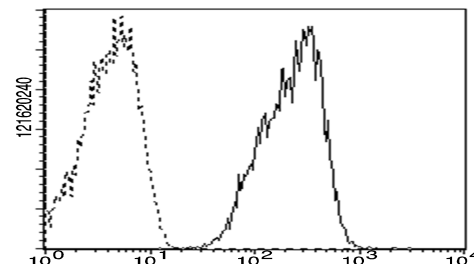
## Log fluorescence intensity profiles of U937 cells



Human CD105 Alexa Fluor™ 488



Human CD105 R-PE



Human CD105 APC

Analyzed on a FACSCalibur™, FACScan™, or FACS Vantage™ flow cytometer, and analyzed using CellQuest™ software, BD Biosciences, San Jose, CA.

Negative control profiles represent unstained cells.

**Note:** Flow cytometric data shown may not necessarily have been generated using the enclosed lot of reagent. For this reason, and due to differences in flow cytometers and cytometer settings, results may vary from those illustrated above. It is suggested that investigators titrate reagents to determine optimal conditions for use in their systems.

## Limited product warranty

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For descriptions of symbols on product labels or product documents, go to [thermofisher.com/symbols-definition](http://thermofisher.com/symbols-definition).

**Revision history:** Pub. No. MAN0005009 C00

Revision	Date	Description
C00	16 April 2024	The trademark symbols were updated and the content was moved into the current document template.

The information in this guide is subject to change without notice.

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