

Monoclonal Antibodies To The Human CD56 Antigen

Catalog Numbers MHCD5600, MHCD5615-4, MHCD5601, MHCD5620, MHCD5604, MHCD5604-4, MHCD5617, MHCD5606, and MHCD5618

Pub. No. MAN0005029 Rev. C



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.

Product description

Mouse monoclonal antibody to the human CD56 (endoglin) antigen

- **Clone:** MEM-188
- **Isotype:** Mouse IgG2a
- **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

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.

Product characterization

Property	Property information
Antigen specificity	This antibody recognizes the isoform of Neural Cell Adhesion Molecule (NCAM). Also known as NKH-1 ¹⁻⁸ , this antigen is expressed on Natural Killer (NK) cells and is considered to be a pan NK cell marker.
Leukocyte workshop status	Leukocyte Typing VI

Product use

Each lot is tested by flow cytometry using the 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.

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 CD56 Antigen

Cat. No.	Component	Amount	Tests	Excitation (nm)	Peak Emission (nm)
MHCD5600	Purified	100 µg	N/A	N/A	N/A
MHCD5615-4	Biotin	2.0 mL	400 (minimum)	N/A	N/A
MHCD5601	FITC	0.5 mL	100 (minimum)	488	525
MHCD5620	Alexa Fluor™ 488	0.5 mL	100 (minimum)	488	519
MHCD5604	R-PE ^[1]	0.5 mL	100 (minimum)	488	575
MHCD5604-4	R-PE ^[1]	2.0 mL	400 (minimum)	N/A	N/A
MHCD5617	PE-TR (Texas Red™)	0.5 mL	100 (minimum)	488	615
MHCD5606	TC (TRI-COLOR™, PE-Cy [®] 5 ^[2] ^[3])	0.5 mL	100 (minimum)	488	670
MHCD5618	PE-Cy [®] 5.5	0.5 mL	100 (minimum)	488	694

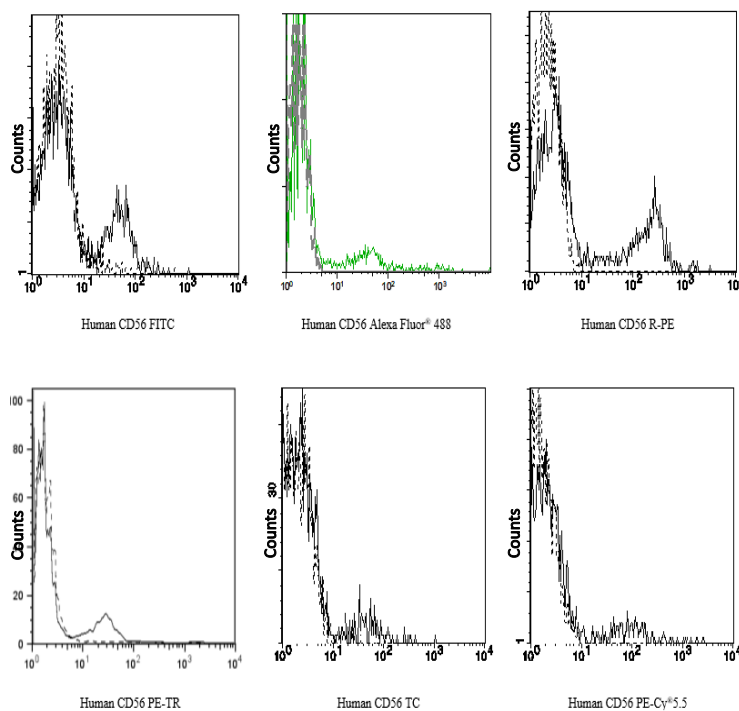
^[1] PE-Cy™5

^[2] Cy[®] is a trademark of GE Healthcare.

^[3] The efficiency of energy transfer in tandem dyes can be significantly decreased by exposure to visible light. We recommend that longer wavelength fluorochrome conjugates, eg. PE-Cy[®] 7 and Alexa Fluor™ 700, be protected from light during staining and while awaiting analysis.

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 human peripheral blood monocytes



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.

Revision history: Pub. No. MAN0005029 C

Revision	Date	Description
C	30 September 2024	The trademark symbols were updated and the content was moved into the current document template.
B.0	20 December 2019	Updating branding in header, remove CE mark, updating explanation of symbols table and updated footer.
A.0	31 July 2015	New document for <i>Monoclonal Antibodies To The Human CD56 Antigen Product Information Sheet</i> .

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

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