

PerCP/Cy5.5 anti-human CD56 (NCAM)

Catalog # / Size: 304625 / 25 tests
304626 / 100 tests

Clone: MEM-188

Isotype: Mouse IgG2a, κ

Workshop Number: VI NK26

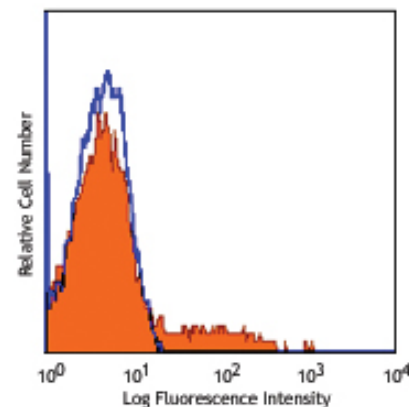
Immunogen: KG-1 human acute myelogenous leukemia cell line

Reactivity: Human, **Cross-Reactivity:** Cattle (Bovine, Cow), Swine (Pig, Porcine)

Preparation: The antibody was purified by affinity chromatography and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood lymphocytes stained with MEM-188 PerCP/Cy5.5

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is 5 μ l per million cells or 5 μ l per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* PerCP/Cy5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

Application Notes: Additional reported applications (for the relevant formats) include: immunoprecipitation, immunohistochemical staining of formalin-fixed paraffin-embedded tissue sections, and Western blotting (non-reducing).

Cy3, Cy5, Cy5.5 and Cy7 are subject to proprietary rights of GE Healthcare Bio-Sciences Corp. and Carnegie Mellon University and made and sold under license from GE Healthcare Bio-Sciences Corp. Sale of this product is licensed for research use only.

Application References: 1. Kishimoto T, *et al.* Eds. 1997. Leucocyte Typing VI. Garland Publishing Inc. London.

Description: CD56 is a single transmembrane glycoprotein also known as N-CAM (Neural Cell Adhesion Molecule), Leu-19, or NKH1. It is a member of the Ig superfamily. The 140 kD isoform is expressed on NK cells and NK-T cells. CD56 is also expressed in the brain (cerebellum and cortex) and at neuromuscular junctions. Certain large granular lymphocyte (LGL) leukemias, small-cell lung carcinomas, neuronal derived tumors, myelomas, and myeloid leukemias also express CD56. CD56 plays a role in homophilic and heterophilic adhesion via binding to itself or heparin sulfate.

Antigen References:

1. Lanier L, *et al.* 1991. *J. Immunol.* 146:4421.
2. Hemperly J, *et al.* 1990. *J. Mol. Neurosci.* 2:71.
3. Cremer H, *et al.* 1994. *Nature* 367:455.

Related Products:	Product	Clone	Application
	PerCP/Cy5.5 Mouse IgG2a, κ Isotype Ctrl	MOPC-173	FC, ICFC
	Cell Staining Buffer		FC, ICC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC
	Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



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