

Product Data Sheet

PE anti-human CD56 (NCAM)

Catalog # / Size: 304605 / 25 tests
 304606 / 100 tests

Clone: MEM-188

Isotype: Mouse IgG2a, κ

Workshop Number: VI NK26

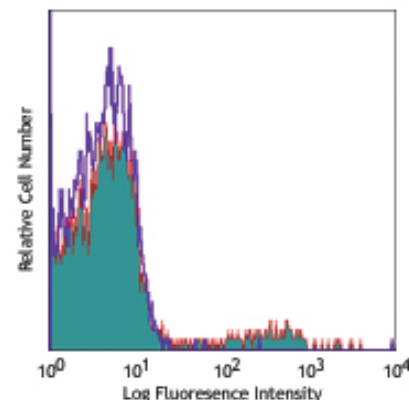
Immunogen: KG-1 human acute myelogenous leukemia cell line

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

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE 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 PE

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

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).

Application References: 1. Kishimoto T, *et al.* Eds. 1997. Leucocyte Typing VI. Garland Publishing Inc. London.
 2. Chen Q, *et al.* 2010. *Proc Natl Acad Sci USA*. 106;21783. PubMed

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 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
 PE anti-human CD16
 PE anti-human CD94
 PE Mouse IgG2a, κ Isotype Ctrl
 Cell Staining Buffer
 RBC Lysis Buffer (10X)
 Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone

3G8
 DX22
 MOPC-173

Application

FC
 FC
 FC, ICFC
 FC, ICC, ICFC
 FC, ICFC
 FC, ICC, ICFC



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