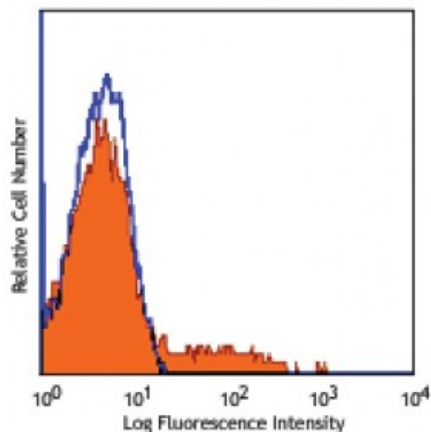


**PerCP/Cy5.5 anti-human CD56 (NCAM)**

<b>Catalog # / Size:</b>	2123125 / 25 tests 2123130 / 100 tests
<b>Clone:</b>	MEM-188
<b>Isotype:</b>	Mouse IgG2a, $\kappa$
<b>Immunogen:</b>	KG-1 human acute myelogenous leukemia cell line
<b>Reactivity:</b>	Human
<b>Preparation:</b>	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.
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
<b>Workshop Number:</b>	VI NK26
<b>Concentration:</b>	Lot-specific



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

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL 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).

**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.

