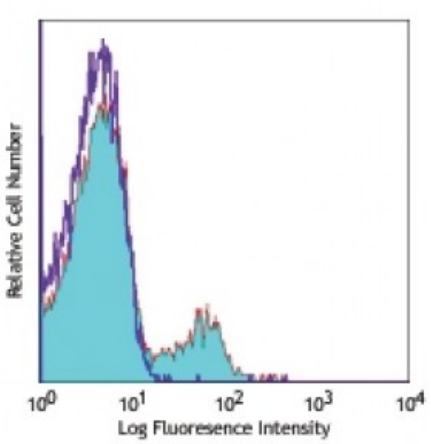
SONY

Product Data Sheet

Alexa Fluor® 647 anti-human CD56 (NCAM)

Catalog # / Size:	2123060 / 100 tests
Clone:	MEM-188
Isotype:	Mouse IgG2a, κ
Immunogen:	KG-1 human acute myelogenous leukemia cell line
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Workshop Number:	VI NK26
Concentration:	NULL



Human peripheral blood lymphocytes stained with MEM-188 Alexa Fluor® 647

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. * Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm.
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 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.

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