

# Product Data Sheet

## LEAF™ Purified anti-human CD56 (NCAM)

**Catalog # / Size:** 318324 / 500 µg

**Clone:** HCD56

**Isotype:** Mouse IgG1, κ

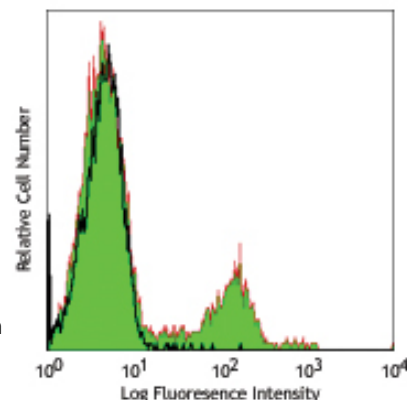
**Reactivity:** Human

**Preparation:** The LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.

**Formulation:** 0.2 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.1 EU/µg of the protein (<0.01 ng/µg of the protein) as determined by the LAL test.

**Concentration:** 1.0 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C. This LEAF™ solution contains no preservative; handle under aseptic conditions.



Human peripheral blood lymphocytes stained with LEAF™ purified HCD56, followed by anti-mouse IgG FITC

## Applications:

**Applications:** FC - Quality tested  
 FA - Reported in the literature  
 CyTOF® - Validated

**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 ≤2.0 µg per million cells in 100 µl volume or 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**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 NCAM (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  
 Cell Staining Buffer  
 LEAF™ Purified Mouse IgG1, κ Isotype Ctrl

### Clone

MG1-45

### Application

FC, ICC, ICFC  
 FC, ICFC, WB, IP, ICC, IF, FA



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