

## Anti-Human CD3/CD16+CD56/CD45/CD19 (33-2A3/3G8/MEM-188/D3-9/A3-B1)

Fluorochrome	Reference	Size
FITC/PE/PerCP/APC	3F11656PE45PP119A1-50T	50 test

### PRODUCT DESCRIPTION

**Clone:** 33-2A3, 3G8, MEM-188, D3/9, A3-B1

**Isotype:** Mouse IgG2a, Mouse IgG1, Mouse IgG1, Mouse IgG1, Mouse IgG2a

**Tested application:** flow cytometry

**Immunogen:** The anti-CD3 monoclonal antibody derives from human leukocytes.

The Mouse anti-human CD16 monoclonal antibody derives from human polymorphonuclear leukocytes. The anti-CD56 monoclonal antibody derives from Human U937 cell line.

The anti-CD45 monoclonal antibody derives from T cells from leukemic HPB-ALL.

The anti-CD19 monoclonal antibody derives from human tonsil.

**Species reactivity:** Human

**Storage instruction:** store in the dark at 2-8 °C

**Storage buffer:** aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN<sub>3</sub>).

**Recommended usage:** Immunostep's CD3/CD16+CD56/CD45/CD19, is a monoclonal antibody intended for simultaneous detection and enumeration of Natural Killer (CD3-CD16+CD56+CD45+/CD19-) and a subpopulation of T lymphocytes (CD3+) and B lymphocytes. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 test for 10<sup>6</sup> cells.

**Presentation:** liquid

**Source:** Supernatant proceeding from an *in vitro* cell culture of a cell hybridoma.

**Purification:** Affinity chromatography.

### ANTIGEN DETAILS

**Large description:** The CD3 monoclonal antibody is directed against the CD3- antigen (T3-antigen), which is expressed on human T lymphocytes.

This CD16 PE, clone 3G8 monoclonal antibody reacts with human and non-human primate CD16, which is also known as the low-affinity FcγRIII.

CD56, expression of neural cell adhesion molecules (N-CAM) provides neurons with a means of attaching to and interacting with other cells and the extracellular matrix.

The CD45 monoclonal antibody is directed against the CD45-antigen, defined T200 or Leucocyte Common Antigen. The antibody reacts with all cells of the haemopoietic lineage, not with cells of other lineages.

The monoclonal antibody is directed against the CD19-antigen (B4-antigen), which is expressed on human B lymphocytes.

Please, refer to [www.immunostep.com](http://www.immunostep.com) technical support for more information.

### WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties. Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

### REFERENCES

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2. Schmidt RE. M6. CD16 cluster workshop report. In: Schlossman SF, Boumsell L, Gilks W, Harlan JM, Kishimoto T, Morimoto C, et al., editors. Leucocyte typing V. White cell differentiation antigens. Proceedings of the 5th International Workshop and Conference; 1993 Nov 3-7; Boston, USA. Oxford, New York, Tokyo: Oxford University Press; 1995. Volume 2. p. 805-6.
3. Tamm A, Schmidt RE. The binding epitope of human CD16 (FcγRIII) monoclonal antibodies. Implications for ligand binding. J Immunol 1996;157:1576-81.

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