

CD56 (MY31)

| Type | Size | Catalog number |
|------------------|-----------|----------------|
| Unconjugated | 100µg | 110601 |
| | 500µg | 110603 |
| FITC | 25 tests | 110614 |
| | 100 tests | 110615 |
| | 200 tests | 110616 |
| PE | 25 tests | 110624 |
| | 100 tests | 110625 |
| | 200 tests | 110626 |
| APC | 25 tests | 110644 |
| | 100 tests | 110645 |
| | 200 tests | 110646 |
| PerCP-Cyanine5.5 | 25 tests | 110664 |
| | 100 tests | 110665 |
| | 200 tests | 110666 |
| PE-Cyanine7 | 25 tests | 110684 |
| | 100 tests | 110685 |
| | 200 tests | 110686 |
| APC-Cyanine7 | 25 tests | 110694 |
| | 100 tests | 110695 |
| | 200 tests | 110696 |
| iFluor™ 647 | 25 tests | 1106124 |
| | 100 tests | 1106125 |
| | 200 tests | 1106126 |
| PE-CF594 | 25 tests | 1106204 |
| | 100 tests | 1106205 |
| | 200 tests | 1106206 |
| APC-iFluor™ 700 | 25 tests | 1106174 |
| | 100 tests | 1106175 |
| | 200 tests | 1106176 |
| Biotin | 100µg | 110651 |

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Antigen: CD56
Immunogen: KG1a cell line
Host/Isotype: Mouse, IgG1, κ
Reactivity: Human
Purity: >90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation: PBS, pH7.2, 0.09% NaN₃ and 0.2% (w/v) BSA
Storage: Store at 2-8°C and protected from prolonged exposure to light. **Do not freeze.**
Applications: Flow Cytometry

Application Information

Each lot of these antibodies has been pre-titrated and tested by flow cytometric analysis of human PBMCs such that 5µl of these products are sufficient for staining 1 million cells in a 100µl staining volume or 100µl of whole blood. It is recommended to titrate antibody reactivity empirically for optimal performance.

Antigen Information

The clone MY31, a mouse antibody, binds to the human 140-kDa glycoprotein, an isoform of neural cell adhesion molecule (NCAM) known as CD56. CD56 and CD16 expressing lymphocytes are primarily considered as human NK cells and NK-T cells. A subset of CD56+ NK cells plays a unique functional role in the innate immune response as the primary source of NK cell-derived immunoregulatory cytokines, regulated in part by differential monokine production. CD56 is expressed in normal and as well as neoplastic human neuroendocrine tissues, certain large granular lymphocyte (LGL) leukemias, small-cell lung carcinomas, neuronal derived tumors, myelomas, and myeloid leukemias. Additionally, increased CD56+ lymphocyte subsets in peripheral blood are a significant predictive or prognostic factor in metastatic breast cancer.

References

1. Lanier LL, et al. *J Immunol.* 1991. 146(12):4421-4426.
2. Jin L, et al. *Am J Pathol.* 1991 Apr;138(4):961-9.
3. Megan AC, et al. *Blood.* 97:3146-3151.
4. Nakano-Akamatsu S, et al. *Int.J. Hematol.* 2007. 86:348-351.
5. Yang J, et al. *Cancer Med.* 2019. DOI: 10.1002/cam4.1891

Terms and Conditions

This product is for research use only (RUO) and not intended for diagnostic testing.