

## Anti-Human CD14-160Gd

**Catalog #:** 3160001B

**Package Size:** 100 tests

**Storage:** Store product at 4°C. Do not freeze.

**Cross Reactivity:** Cynomolgus Monkey, Rhesus, Chimpanzee, Pigtailed Macaque

**Clone:** M5E2

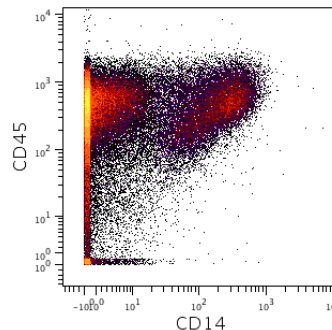
**Isotype:** Mouse IgG2a

**Formulation:** Antibody stabilizer with 0.05% Sodium Azide

### Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF<sup>®</sup> analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

**Recommended Usage:** The suggested use is 1  $\mu$ l for up to  $3 \times 10^6$  live cells in 100  $\mu$ l. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human PBMCs stained with 154Sm-anti-CD45 (HI30) and 160Gd-anti-CD14 (M5E2).

### Description

CD14, also known as the LPS co-receptor, is a glycosylphosphatidylinositol (GPI)-linked membrane glycoprotein. CD14 is expressed at high levels on antigen presenting innate immune cells including monocytes and macrophages, and at lower levels on granulocytes. It has also been reported to be expressed on some dendritic cell sub-populations.

### References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Bendall, S.C., et al. Single-Cell Mass Cytometry of Differential Immune and Drug Responses Across a Human Hematopoietic Continuum. *Science* 6 May 2011: 687-696.

Ornatsky, O. I., et al. Highly multiparametric analysis by mass cytometry. *J Immunol Methods* 361 (1-2):1-20, 2010.

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