

Anti-Mouse CD14-156Gd

Catalog #: 3156009B

Package Size: 100 tests

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

Cross Reactivity: Mouse

Clone: Sa14-2

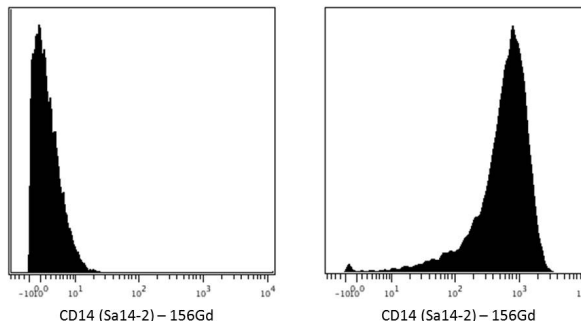
Isotype: Rat IgG2a

Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

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

Recommended Usage: The suggested use is 1 µl for up to 3 X 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



MC/9 (left) or J774A.1 (right) mouse cell lines stained with 156Gd anti-CD14 (Sa14-2).

Description

CD14, also known as the LPS co-receptor, is a 50-55 kDa GPI-linked membrane glycoprotein. A soluble form of CD14, sCD14, is abundant in serum and is apparently derived both from secretion of CD14 and from enzymatically cleaved membrane-bound CD14. 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.

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

Contact Information:

Sales: sales@DVSsciences.com | Support: support@DVSsciences.com
www.DVSsciences.com | For assistance by phone: 855-DVS-CYTO

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