

Anti-Mouse CD180-162Dy

Catalog: 3162031B

Package Size: 100 tests

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

Reactivity: Mouse,

Clone: RP/14

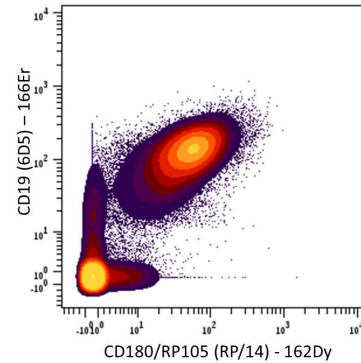
Isotype: IgG2a

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.



Mouse splenocytes stained with 166Er-anti-CD19 (6D5) and 162Dy-anti-CD180/RP105 (RP/14).

Description

CD180, also known as RP105 or Ly64, is a 105 kDa type I membrane protein. It belongs to TLR family characterized by an extracellular leucine-rich repeat (LRR) and a short cytoplasmic tail. CD180 is expressed on most B cells, monocytes/macrophages, and dendritic cells. CD180 associates with MD-1 to form the RP105/MD-1 surface receptor. The RP105/MD-1 complex in concert with TLR4 controls B cell recognition and signaling of bacterial LPS.

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.

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