

Anti-Human CD59-173Yb

Catalog: 3173009B

Package Size: 100 tests

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

Reactivity: Cynomolgus Monkey, Rhesus, Chimpanzee, Olive Baboon, Human

Clone: p282 (H19)

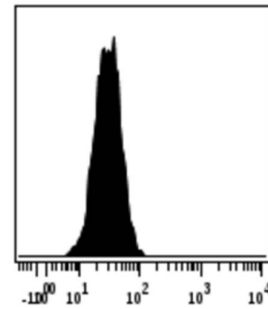
Isotype: IgG2a

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.



CD59(p282/H19)-173Yb

Human PBMCs stained with 173Yb-anti-CD59(p282/H19). T cells are displayed in the analysis.

Description

The p282 (H19) monoclonal antibody binds specifically to CD59, a 19 kDa glycosylphosphatidylinositol (GPI)-anchored glycoprotein, also known as protectin, MAC1F, and H19. CD59 has been reported to inhibit the cytolytic activity of complement by binding to C8 and C9, which leads to the blockade of the assembly of the membrane attack complex. CD59 is expressed broadly on both hematopoietic and non-hematopoietic cells and has been reported to play a role in T cell activation.

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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