

Anti-Human CD8-168Er

Catalog #: 3168002B

Package Size: 100 tests

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

Cross Reactivity: Cynomolgus Monkey, Rhesus, Chimpanzee, Pigtailed Macaque, Sooty Mangabey, African Green

Clone: SK1

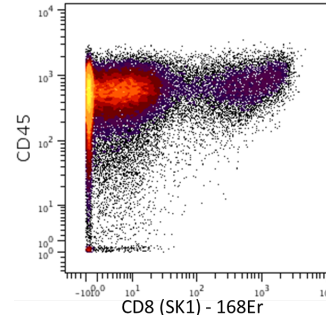
Isotype: Mouse IgG1

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 μ l for up to 3×10^6 live cells in 100 μ 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 151Eu-anti-168Er-anti-CD8 (SK1).

Description

Antibody clone SK1 recognizes the α chain of CD8. CD8, also known as T8 and Leu2, is a type I membrane glycoprotein. CD8, is a member of the immunoglobulin superfamily found on the majority of thymocytes, a subset of peripheral blood T cells, and NK cells (which express almost exclusively CD8a homodimers). CD8 acts as a co-receptor with MHC class I-restricted T cell receptors in antigen recognition and T cell activation and has been shown to play a role in thymic differentiation. Two domains in CD8a are important for function: the extracellular IgSF domain binds the $\alpha 3$ domain of MHC class I and the cytoplasmic CXCP motif binds the tyrosine kinase p56 Lck.

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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