Anti-Human CD8-168Er

Catalog #: 3168002B  
Clone: SK1  
Package Size: 100 tests  
Isotype: Mouse IgG1  
Storage: Store product at 4°C. Do not freeze.  
Formulation: Antibody stabilizer with 0.05% Sodium Azide

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

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 $3 \times 10^6$ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.

Description

Antibody clone SK1 recognizes the alpha 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 alpha3 domain of MHC class I and the cytoplasmic CXCP motif binds the tyrosine kinase p56 Lck.

References


Contact Information:

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

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