

CD8a Monoclonal Antibody (SK1), Super Bright™ 436, eBioscience™

Product Details	
Size	25 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	SK1
Conjugate	Super Bright™ 436
Excitation/Emission Max	413/431 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2762497

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/Test	1 Publication

Product Specific Information

Description: The SK1 monoclonal antibody reacts with the human CD8a molecule, an approximately 32-34 kDa cell surface receptor expressed either as a heterodimer with the CD8 beta chain (CD8 alpha/beta) or as a homodimer (CD8 alpha/alpha). A majority of thymocytes and a subpopulation of mature T cells and NK cells express CD8a. CD8 binds to MHC class I and through its association with protein tyrosine kinase p56lck plays a role in T-cell development and activation of mature T cells.

Applications Reported: This SK1 (SK-1) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This SK1 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.25 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

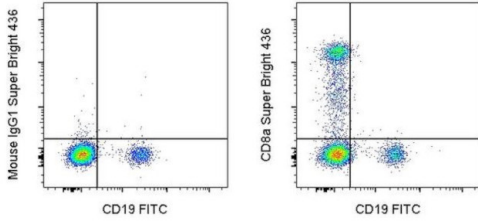
Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

Excitation: 405 nm; Emission: 436 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

Product Images For CD8a Monoclonal Antibody (SK1), Super Bright™ 436, eBioscience™



CD8a Antibody (62-0087-41) in Flow

Normal human peripheral blood cells were stained with CD3 Monoclonal Antibody, FITC (Product # 11-0038-42) and Mouse IgG1 kappa Isotype Control, Super Bright 436 (Product # 62-4714-82) (left) or CD8a Monoclonal Antibody, Super Bright 436 (right). Cells in the lymphocyte gate were used for analysis.

1 Reference

Flow Cytometry (1)

Scientific reports

PAX8 lineage-driven T cell engaging antibody for the treatment of high-grade serous ovarian cancer.

"Published figure using CD8a monoclonal antibody (Product # 62-0087-42) in Flow Cytometry"

Authors: Lee E, Szvetecz S, Polli R, Grauel A, Chen J, Judge J, Jaiswal S, Maeda R, Schwartz S, Voedisch B, Piksa M, Japutra C, Sadhasivam L, Wang Y, Carrion A, Isim S, Liang J, Nicholson T, Lei H, Fang Q, Steinkrauss M, Walker D, Wagner J, Cremasco V, Wang HQ, Galli GG, Granda B, Mansfield K, Simmons Q, Nguyen AA, Vincent Jordan N

Year
2021

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