TSLP Receptor Monoclonal Antibody (eBio1A6 (1A6)), Super Bright™ 600, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG2a, lambda
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), Super Bright™ 600, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBio1A6 (1A6)
Conjugate	Super Bright™ 600
Excitation/Emission Max	414/601 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_2762556

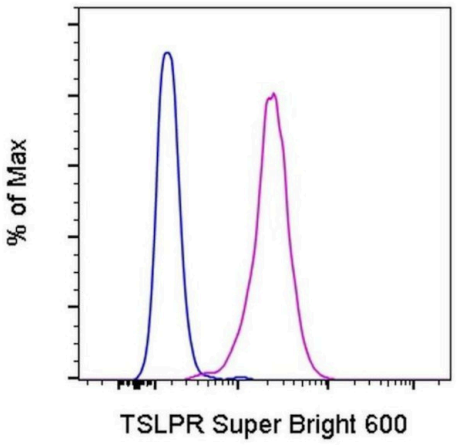
Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/Test	-

Product Specific Information

Description: The eBio1A6 monoclonal antibody reacts with human thymic stromal-derived lymphopoietin receptor (TSLPR). TSLPR is an approximately 50 kDa protein with significant similarity to the common gamma-chain. TSLPR complexes with IL-7R alpha (CD127) to form the high affinity receptor that binds thymic stromal-derived lymphopoietin (TSLP). Human TSLPR is expressed by monocytes and CD11c+ dendritic cells, and TSLP binding induces the expression of the Th2 cell-attracting chemokines CCL17 and CCL22. Furthermore, the TSLPR-induced activation of dendritic cells indirectly results in the increased secretion of Th cytokines IL-4, -5 and -13, which may be necessary for the regulation of CD4+ T cell homeostasis. In mice, deficiency of TSLPR has no effect on lymphocyte numbers, whereas double deficiency of TSLPR and common gamma-chain results in fewer lymphocytes than seen in mice deficient in the common gamma-chain alone. The eBio1A6 monoclonal antibody is able to cross-block binding of another anti-human TSLPR monoclonal antibody, 1D8.^M
^M
Applications Reported: This eBio1A6 (1A6) antibody has been reported for use in flow cytometric analysis.^M
^M
Applications Tested: This eBio1A6 (1A6) antibody has been pre-titrated and tested by flow cytometric analysis of TSLPR transfected 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 10^5 to 10^8 cells /test. ^M
^M
Super Bright 600 is a tandem dye that can be excited with the violet laser line (405 nm) and emits at 600 nm. We recommend using a 610/20 bandpass filter. Please make sure that your instrument is capable of detecting this fluorochrome.^M
^M
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.^M
^M
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Protect this vial and stained samples from light.^M
^M
Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333) for up to 3 days in the dark at 2-8°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorochrome performance after fixation can be made, but clone specific performance should be determined empirically.^M
^M
Excitation: 405 nm; Emission: 600 nm; Laser: Violet Laser^M
^M
Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

Product Images For TSLP Receptor Monoclonal Antibody (eBio1A6 (1A6)), Super Bright™ 600, eBioscience™



TSLP Receptor Antibody (63-5499-42) in Flow
Human TSLP Receptor transfected cells were stained with Mouse IgG2a kappa Isotype Control, Super Bright 600 (Product # 63-4724-82) (blue histogram) or TSLP Receptor Monoclonal Antibody, Super Bright 600 (purple histogram). Total viable cells were used for analysis.