

CD178 (Fas Ligand) Monoclonal Antibody (MFL3), Super Bright™ 436, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MFL3
Conjugate	Super Bright™ 436
Excitation/Emission Max	413/431 nm
Form	Liquid
Concentration	0.2 mg/mL
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_2762757

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	2 Publications

Product Specific Information

Description: The MFL3 monoclonal antibody reacts with mouse Fas (CD95) Ligand, a 40 kDa type II transmembrane glycoprotein. FasL is a member of the TNF family and is expressed by mouse activated T cells. The interaction of FasL with its receptor CD95 induces Fas-mediated killing. It has been reported that the human FasL antigen is cleaved from the surface by matrix metalloproteinases (MMPs), resulting in a 26 kDa soluble form. The degree of sensitivity for the mouse antigen to MMPs has not been reported.

Applications Reported: This MFL3 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This MFL3 antibody has been tested by flow cytometric analysis of transfected cells. This may be used at less than or equal to 0.5 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

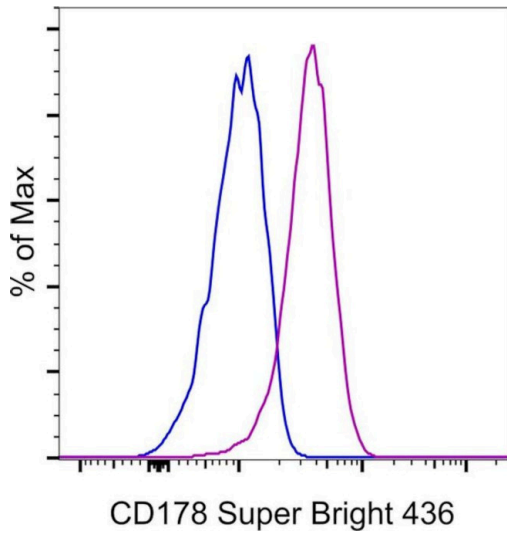
Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

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 CD178 (Fas Ligand) Monoclonal Antibody (MFL3), Super Bright™ 436, eBioscience™



CD178 (Fas Ligand) Antibody (62-5911-82) in Flow

Mouse CD178 transfected cells were stained with 0.25 µg of Armenian Hamster IgG Isotype Control, Super Bright 436 (Product # 62-4888-82) (blue histogram) or 0.25 µg of CD178 (Fas Ligand) Monoclonal Antibody, Super Bright 436 (purple histogram). Total viable cells were used for analysis, as determined by 7-AAD (Product # 00-6993-50).

[View more figures on thermofisher.com](#)

2 References

Flow Cytometry (2)

Aging and disease

CD4⁺ CTLs Act as a Key Effector Population for Allograft Rejection of MSCs in a Donor MHC-II Dependent Manner in Injured Liver.

"Published figure using CD178 (Fas Ligand) monoclonal antibody (Product # 62-5911-82) in Flow Cytometry"

Authors: Shen S,Li Y,Jin M,Fan D,Pan R,Lin A,Chen Y,Xiang L,Zhao RC,Shao J

Year
2022

STAR protocols

A macrophage-T cell coculture model for severe tissue injury-induced T cell death.

"Published figure using CD178 (Fas Ligand) monoclonal antibody (Product # 62-5911-82) in Flow Cytometry"

Authors: Zhu J,Cao J,Liesz A,Roth S

Year
2021

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