

CD178 (Fas Ligand) Monoclonal Antibody (MFL3), PerCP-eFluor™ 710, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), PerCP-eFluor™ 710, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MFL3
Conjugate	PerCP-eFluor™ 710
Excitation/Emission Max	482/708 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10852871

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	6 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 can be used at less than or equal to 0.125 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.

PerCP-eFluor® 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

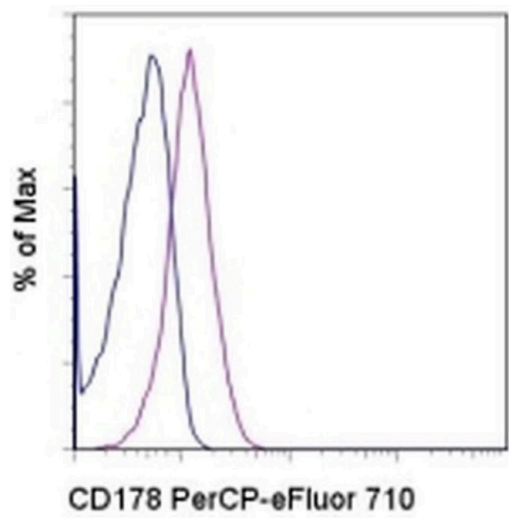
Our testing indicates that PerCP-eFluor® 710 conjugated antibodies are stable when stained samples are exposed to freshly

prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Excitation: 488 nm; Emission: 710 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD178 (Fas Ligand) Monoclonal Antibody (MFL3), PerCP-eFluor™ 710, eBioscience™



CD178 (Fas Ligand) Antibody (46-5911-82) in Flow
Staining of mouse CD178-transfected cells with 0.06 µg of Armenian Hamster IgG Isotype Control PerCP-eFluor® 710 (Product # 46-4888-82) (blue histogram) or 0.06 µg of Anti-Mouse CD178 (Fas Ligand) PerCP-eFluor® 710 (purple histogram). Total viable cells were used for analysis.

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6 References

Flow Cytometry (6)

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.	Year 2022
"Published figure using CD178 (Fas Ligand) monoclonal antibody (Product # 46-5911-82) in Flow Cytometry"	
Authors: Shen S,Li Y,Jin M,Fan D,Pan R,Lin A,Chen Y,Xiang L,Zhao RC,Shao J	
STAR protocols	
A macrophage-T cell coculture model for severe tissue injury-induced T cell death.	Year 2021
"Published figure using CD178 (Fas Ligand) monoclonal antibody (Product # 46-5911-82) in Flow Cytometry"	
Authors: Zhu J,Cao J,Liesz A,Roth S	

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