

# CD178 (Fas Ligand) Monoclonal Antibody (MFL3), APC, 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), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MFL3
Conjugate	APC
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10717074

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunofluorescence (IF)	-	1 Publication
Flow Cytometry (Flow)	0.25 µg/test	4 Publications

## Product Specific Information

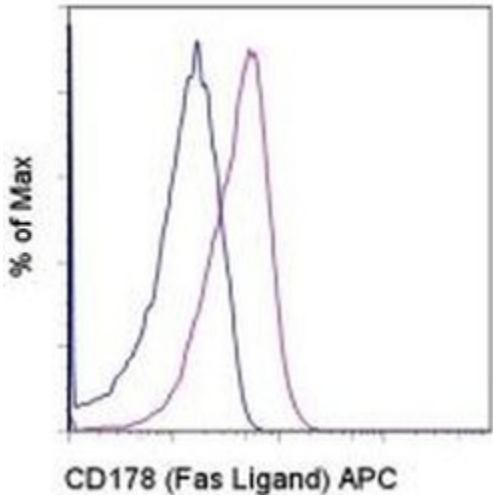
**Description:** The MFL3 monoclonal antibody reacts with mouse Fas (CD95) Ligand, a 40 kDa type II transmembrane glycoprotein. FasL is a member of the TNF family and is expressed by mouse activated T cells. The interaction of FasL with its receptor CD95 induces Fas-mediated killing. It has been reported 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 Tested:** This MFL3 antibody has been tested by flow cytometric analysis of mouse FasL-transfected cells. This can be used at less than or equal to 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<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Excitation:** 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.

Product Images For CD178 (Fas Ligand) Monoclonal Antibody (MFL3), APC, eBioscience™



**CD178 (Fas Ligand) Antibody (17-5911-82) in Flow**  
Staining of mouse CD178-transfected cells with 0.125 µg of Armenian Hamster IgG Isotype Control APC (Product # 17-4888-82) (blue histogram) or 0.125 µg of Anti-Mouse CD178 (Fas Ligand) APC (purple histogram). Total viable cells were used for analysis.

View more figures on [thermofisher.com](http://thermofisher.com)

## 6 References

### Immunohistochemistry (1)

Nature communications

#### Cancer-associated fibroblasts induce antigen-specific deletion of CD8<sup>+</sup> T Cells to protect tumour cells.

"17-5911 was used in Immunohistochemistry-immunofluorescence to examine the immune checkpoint-mediated role of cancer-associated fibroblasts in suppressing T cell activity within the tumour microenvironment."

Authors: Lakins MA,Ghorani E,Munir H,Martins CP,Shields JD

**Species**  
Mouse

**Dilution**  
1:100

**Year**  
2018

### Immunofluorescence (1)

Nature communications

#### Cancer-associated fibroblasts induce antigen-specific deletion of CD8<sup>+</sup> T Cells to protect tumour cells.

"17-5911 was used in Immunohistochemistry-immunofluorescence to examine the immune checkpoint-mediated role of cancer-associated fibroblasts in suppressing T cell activity within the tumour microenvironment."

Authors: Lakins MA,Ghorani E,Munir H,Martins CP,Shields JD

**Species**  
Mouse

**Dilution**  
1:100

**Year**  
2018

### Flow Cytometry (4)

Journal of immunology (Baltimore, Md. : 1950)

#### Activated T cell exosomes promote tumor invasion via Fas signaling pathway.

"17-5911 was used in Flow cytometry/Cell sorting to investigate the effect of FasL-containing exosomes on cell apoptosis in tumours, showing that they promote tumour invasion."

Authors: Cai Z,Yang F,Yu L,Yu Z,Jiang L,Wang Q,Yang Y,Wang L,Cao X,Wang J

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2012

Journal of the American Society of Nephrology : JASN

#### Hypoxia-Inducible Factor-2 Limits Natural Killer T Cell Cytotoxicity in Renal Ischemia/Reperfusion Injury.

"Published figure using CD178 (Fas Ligand) monoclonal antibody (Product # 17-5911-82) in Flow Cytometry"

Authors: Zhang J,Han C,Dai H,Hou J,Dong Y,Cui X,Xu L,Zhang M,Xia Q

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2016

[View more Flow references on thermofisher.com](#)

### More applications with references on thermofisher.com

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