CD178 (Fas Ligand) Monoclonal Antibody (MFL3), Biotin, 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), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MFL3
Conjugate	Biotin
Form	Liquid
Concentration	0.5 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_466794

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Flow Cytometry (Flow)	0.25 µg/test	9 Publications
Neutralization (Neu)	-	1 Publication

Product Specific Information

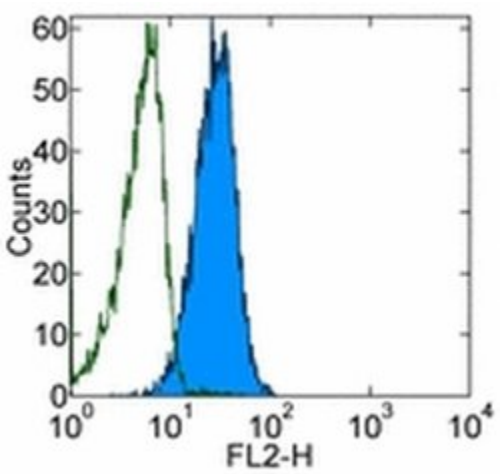
Description: The MFL3 monoclonal antibody reacts with mouse Fas (CD95) Ligand, a 40 kDa type II transmembrane glycoprotein. FasL is a member of the TNF family and is expressed by mouse activated T cells. The interaction of FasL with its receptor CD95 induces Fas-mediated killing. It has been reported 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: The MFL3 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The MFL3 antibody has been tested by flow cytometric analysis of mouse FasL transfected cells and activated T 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD178 (Fas Ligand) Antibody (13-5911-82) in Flow
Staining of mouse Fas Ligand-transfected L5178Y cells with 0.125 µg of Armenian Hamster IgG Isotype Control Biotin (Product # 13-4888-81) (open histogram) or 0.125 µg of Anti-Mouse CD178 (Fas Ligand) Biotin (filled histogram) followed by Streptavidin PE (Product # 12-4317-87). Total viable cells were used for analysis.

View more figures on thermofisher.com

11 References

Western Blot (1)

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 # 13-5911-82) 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

Flow Cytometry (9)

Journal of immunology (Baltimore, Md. : 1950)

CD8 T cells utilize TRAIL to control influenza virus infection.

"13-5911 was used in Flow cytometry/Cell sorting to determine that TRAIL deficiency decreases CD8(+) T cell-mediated cytotoxicity."

Authors: Brincks EL,Katewa A,Kucaba TA,Griffith TS,Legge KL

Species
Mouse

Dilution
Not Cited

Year
2008

International immunology

Induction of rapid apoptosis for class I MHC molecule-restricted CD8(+) HIV-1 gp160-specific murine activated CTLs by free antigenic peptide in vivo.

"13-5911 was used in Flow cytometry/Cell sorting to provide evidence that exposure to free antigenic peptide leads to the rapid apoptosis of activated virus-specific CD8+ CTLs during infection in vivo."

Authors: Nakagawa Y,Shimizu M,Norose Y,Takahashi M,Takahashi H

Species
Mouse

Dilution
Not Cited

Year
2013

View more Flow references on thermofisher.com

Neutralization (1)

Journal of immunology (Baltimore, Md. : 1950)

NKG2A inhibits invariant NKT cell activation in hepatic injury.

"13-5911 was used in Flow cytometry/Cell sorting to investigate the role of NK cell receptors in iNKT cell activation, showing that NKG2A-mediated signalling negatively regulated iNKT activation and hepatic injury."

Authors: Kawamura T,Takeda K,Kaneda H,Matsumoto H,Hayakawa Y,Raulet DH,Ikarashi Y,Kronenberg M,Yagita H, Kinoshita K,Abo T,Okumura K,Smyth MJ

Species
Mouse

Dilution
Not Cited

Year
2009

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