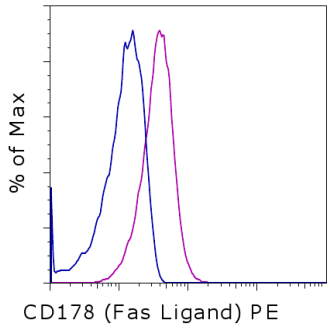
Anti-Mouse CD178 (Fas Ligand) PE

Catalog Number: 12-5911
Also known as: FasL, CD95L, CD95 Ligand
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of mouse CD178-transfected cells with 0.5 ug of Armenian Hamster IgG Isotype Control PE (cat. 12-4888) (blue histogram) or 0.5 ug of Anti-Mouse CD178 (Fas Ligand) PE (purple histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD178 (Fas Ligand) PE
REF **Catalog Number:** 12-5911
Clone: MFL3
Concentration: 0.2 mg/mL
Host/Isotype: Armenian Hamster IgG

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.
LOT **Batch Code:** Refer to vial
Use By: Refer to vial
Caution, contains Azide

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 1 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.

References

Kayagaki, N., N. Yamaguchi, et al. 1997. Polymorphism of murine Fas ligand that affects the biological activity. Proc Natl Acad Sci U S A 94(8): 3914-9.

Nakajima, A., H. Hirai, et al. (2000). Treatment of lupus in NZB/W F1 mice with monoclonal antibody against fas ligand. J Autoimmun 14(2): 151-7.

Kayagaki, N., A. Kawasaki, et al. (1995). Metalloproteinase-mediated release of human Fas ligand. J Exp Med 182(6): 1777-83.

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12-4888 Armenian Hamster IgG Isotype Control PE (eBio299Arm)
14-5912 Anti-Mouse/Rat CD178 (Fas Ligand) Purified (MFL4)
16-5912 Anti-Mouse/Rat CD178 (Fas Ligand) Functional Grade Purified (MFL4)

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