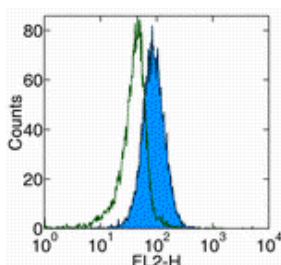


Anti-Mouse CD178 (Fas Ligand) Functional Grade Purified

Catalog Number: 16-5911

Also Known As: FasL, CD95L, CD95 Ligand

RUO: For Research Use Only



Staining of mouse Fas Ligand transfected cells with Anti-Mouse CD178 (Fas Ligand) PE. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD178 (Fas Ligand) Functional Grade Purified


Formulation: aqueous buffer, no sodium azide

 **Temperature Limitation:** Store at 2-8°C.

 **Catalog Number:** 16-5911

 **Batch Code:** Refer to Vial

Clone: MFL3

 **Use By:** Refer to Vial

Concentration: 1 mg/ml

Host/Isotype: Armenian Hamster IgG

Handling Conditions: Use in sterile environment.

Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

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

MFL3 has been reported for use in flow cytometric analysis. It has also been reported in blocking of the FasL mediated killing in functional assays.

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 0.5 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.

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.

Related Products

11-4111 Anti-Armenian Hamster IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4113 Anti-Armenian Hamster IgG Biotin (Polyclonal)

14-5912 Anti-Mouse/Rat CD178 (Fas Ligand) Purified (MFL4)

16-4888 Armenian Hamster IgG Isotype Control Functional Grade Purified (eBio299Arm)

16-5912 Anti-Mouse/Rat CD178 (Fas Ligand) Functional Grade Purified (MFL4)

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