

**AM20860PU-N****Monoclonal Antibody to CD178 / Fas Ligand - Purified**

<b>Alternate names:</b>	APT1LG1, APTL, Apoptosis antigen ligand, CD95L protein, FASL, FASLG, Fas antigen ligand, TNFSF6, Tumor necrosis factor ligand superfamily member 6
<b>Quantity:</b>	0.25 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	<p>CD178, otherwise known as Fas Ligand/ CD95L, a 40kDa type II transmembrane glycoprotein and member of the TNF/NGF superfamily, expressed by activated T cells and NK cells, which can be induced on a variety of cells by radiation, heat shock, chemotherapeutic agents and viral infection.</p> <p>CD178 acts as a key effector of cytotoxicity and in the regulation of immune responses. The binding of CD178 to its receptor CD95 (Fas), induces Fas-mediated apoptosis of target cells, and may be involved in the induction of peripheral tolerance and neutrophil chemotaxis. The binding of decoy receptor 3 (DcR3) to CD178 has been shown to inhibit CD178-mediated apoptosis.</p>
<b>Uniprot ID:</b>	<a href="#">P41047</a>
<b>NCBI:</b>	<a href="#">NP_034307</a>
<b>GeneID:</b>	<a href="#">14103</a>
<b>Host / Isotype:</b>	Hamster / IgG
<b>Clone:</b>	MFL4
<b>Immunogen:</b>	B6 Mouse FasL/BHK cells
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction <b>Purification:</b> Affinity Chromatography on Protein G <b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative.
<b>Applications:</b>	<b>Flow Cytometry:</b> Use 10 µl of 1/25-1/200 diluted antibody to label 1x10 <sup>6</sup> cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	Recognizes both Mouse and Rat CD178. Clone MFL4 is reported to block CD178/CD95 induced apoptosis. We recommend the use of AM20860LE-N for functional studies. <b>Species:</b> Mouse and Rat. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Trinite, B. et al. (2000) A subset of cytolytic dendritic cells in rat. J. Immunol. 165: 4202-4208. 2. Watanabe T, Yoshida M, Shirai Y, Yamori M, Yagita H, Itoh T, et al. Administration of an antigen at a high dose generates regulatory CD4+ T cells expressing CD95 ligand

and secreting IL-4 in the liver. J Immunol. 2002 Mar 1;168(5):2188-99. PubMed PMID: 11859105.

3. Kayagaki N, Yamaguchi N, Nagao F, Matsuo S, Maeda H, Okumura K, et al. Polymorphism of murine Fas ligand that affects the biological activity. Proc Natl Acad Sci U S A. 1997 Apr 15;94(8):3914-9. PubMed PMID: 9108079.