OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AM20860LE-N Monoclonal Antibody to CD178 / Fas Ligand - Low Endotoxin

Alternate names: APT1LG1, APTL, Apoptosis antigen ligand, CD95L protein, FASL, FASLG, Fas antigen ligand, TNFSF6, Tumor necrosis factor ligand superfamily member 6

Quantity: 0.5 mg

Concentration: 1.0 mg/ml

Background: 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.
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.

Uniprot ID: P41047

NCBI: NP_034307

GeneID: 14103

Host / Isotype: Hamster / IgG

Clone: MFL4

Immunogen: B6 Mouse FasL/BHK cells

Format: **State:** Liquid purified IgG fraction
Purification: Affinity Chromatography on Protein G
Buffer System: PBS without preservatives

Applications: **Flow Cytometry:** Use 10 µl of 1/25-1/200 diluted antibody to label 1x10e6 cells in 100 µl.
Functional Assays.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: Recognizes both Mouse and Rat CD178.
Clone MFL4 is reported to block CD178/CD95 induced apoptosis.
Species: Mouse and Rat.
Other species not tested.

Add. Information: **Endotoxin Level:** < 0.01 EU/µg

Storage: Store the antibody undiluted at -20°C.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings: 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.