



# Anti-FASL monoclonal antibody, clone MFL4 (CABT-47221HM)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Product Overview

Hamster anti Mouse CD178 antibody, clone MFL4 recognizes both mouse and rat 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. Hamster anti Mouse CD178 antibody, clone MFL4 is reported to block CD178/CD95 induced apoptosis. Flow Cytometry Use 10ul of the suggested working dilution to label 1x10<sup>6</sup> cells in 100ul.

<b>Specificity</b>	FASL
<b>Immunogen</b>	B6 mouse FasL/BHK cells
<b>Isotype</b>	IgG
<b>Source/Host</b>	Hamster
<b>Species Reactivity</b>	Mouse, Rat
<b>Clone</b>	MFL4
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	FC
<b>Format</b>	Purified IgG - liquid

<b>Size</b>	100 µg
<b>Preservative</b>	See individual product datasheet
<b>Storage</b>	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">FasL Fas ligand (TNF superfamily, member 6) [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	FASL
<b>Synonyms</b>	FASL; Fas ligand (TNF superfamily, member 6); gld; CD178; CD95L; Fas-L; Faslg; CD95-L; Tnfsf6; APT1LG1; tumor necrosis factor ligand superfamily member 6; CD95 ligand; Fas antigen ligand; generalized lymphoproliferative disease;
<b>Entrez Gene ID</b>	<a href="#">14103</a>
<b>Protein Refseq</b>	<a href="#">NP_001192172</a>
<b>UniProt ID</b>	P41047
<b>Chromosome Location</b>	1 H2.1; 1 69.95 cM
<b>Pathway</b>	African trypanosomiasis; Allograft rejection; Apoptosis; Apoptosis signaling pathway; Autoimmune thyroid disease; Caspase-8 activation by cleavage; Chagas disease (American trypanosomiasis); Cytokine-cytokine receptor interaction;
<b>Function</b>	cytokine activity; death receptor binding; tumor necrosis factor receptor binding;