



Anti-FASL monoclonal antibody, clone MFL4 [R-PE] (CABT-47223HM)

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 1x10⁶ cells in 100ul. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors.

Specificity	FASL
Immunogen	B6 mouse FasL/BHK cells
Isotype	IgG
Source/Host	Hamster
Species Reactivity	Mouse, Rat
Clone	MFL4
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised

Size	100 tests
Preservative	See individual product datasheet
Storage	Prior to reconstitution store at +4°C. After reconstitution store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	FasL Fas ligand (TNF superfamily, member 6) [Mus musculus (house mouse)]
Official Symbol	FASL
Synonyms	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;
Entrez Gene ID	14103
Protein Refseq	NP_001192172
UniProt ID	P41047
Chromosome Location	1 H2.1; 1 69.95 cM
Pathway	African trypanosomiasis; Allograft rejection; Apoptosis; Apoptosis signaling pathway; Autoimmune thyroid disease; Caspase-8 activation by cleavage; Chagas disease (American trypanosomiasis); Cytokine-cytokine receptor interaction;
Function	cytokine activity; death receptor binding; tumor necrosis factor receptor binding;