

## Product datasheet for **TA392453M**

### Fas Ligand (FASLG) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:1000~1:2000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human CD178.
Specificity:	CD178 polyclonal antibody detects endogenous levels of CD178 protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 45 kDa
Gene Name:	Fas ligand
Database Link:	<a href="#">Entrez Gene 356 Human P48023</a>

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**Background:**

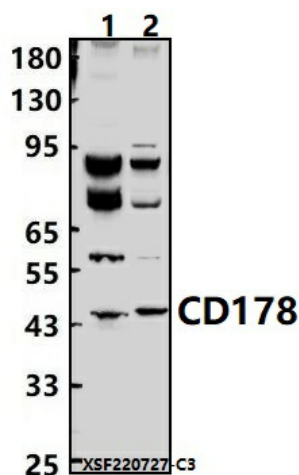
Association of the receptor Fas with its ligand FasL triggers an apoptotic pathway that plays an important role in immune regulation, development, and progression of cancers. Loss of function mutation in either Fas (lpr mice) or FasL (gld mice) leads to lymphadenopathy and splenomegaly as a result of decreased apoptosis in CD4-CD8- T lymphocytes. FasL (CD95L, Apo-1L) is a type II transmembrane protein of 280 amino acids (runs at approximately 40 kDa upon glycosylation) that belongs to the TNF family, which also includes TNF- $\alpha$ , TRAIL, and TWEAK. Binding of FasL to its receptor triggers the formation of a death-inducing signaling complex (DISC) involving the recruitment of the adaptor protein FADD and caspase-8. Activation of caspase-8 from this complex initiates a caspase cascade resulting in the activation of caspase-3 and subsequent cleavage of proteins leading to apoptosis. Unlike Fas, which is constitutively expressed by various cell types, FasL is predominantly expressed on activated T lymphocytes, NK cells, and at immune privileged sites. FasL is also expressed in several tumor types as a mechanism to evade immune surveillance. Similar to other members of the TNF family, FasL can be cleaved by metalloproteinases producing a 26 kDa trimeric soluble form.

**Synonyms:**

ADAM10-processed FasL form; APL; Apoptosis antigen ligand; APT1LG1; APTL; CD95 ligand; CD95-L; CD95L; CD178; Fas antigen ligand; FASL; FasL; FASLG; FasL ICD; Fas ligand; Receptor-binding FasL ectodomain; sFasL; Soluble Fas ligand; SPA; SPPL2A-processed FasL form; TNFSF6; Tumor necrosis factor ligand superfamily member 6

**Note:**

For research use only, not for use in diagnostic procedure.

**Product images:**


Western blot (WB) analysis of CD178 polyclonal antibody at 1:1000 dilution Lane1:L02 cell membrane lysate(24ug) Lane2:EC9706 cell membrane lysate(24ug)