

## ARG66075 anti-CD178 / Fas Ligand antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes CD178 / Fas Ligand
Tested Reactivity	Hu, Ms
Tested Application	ELISA, IHC-P, Neut, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CD178 / Fas Ligand
Species	Human
Immunogen	CHO cells derived recombinant Human Fas Ligand.
Conjugation	Un-conjugated
Alternate Names	FASLG; Fas Ligand; APT1LG1; TNFSF6; CD178; FasL; Tumor Necrosis Factor Ligand Superfamily Member 6; Fas Ligand (TNF Superfamily, Member 6); Apoptosis Antigen Ligand; Fas Antigen Ligand; CD95 Ligand; CD95-L; CD95L; APTL; FASL; Tumor Necrosis Factor (Ligand) Superfamily, Member 6; Mutant Tumor Necrosis Factor Family Member 6; Apoptosis (APO-1) Antigen Ligand 1; Tumor Necrosis Factor Ligand 1A; CD178 Antigen; ALPS1B; TNLG1A

### Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG66076 as a detection antibody
	IHC-P	0.75 - 2.5 µg/ml
	Neut	0.08 - 0.1 µg/ml (To yield [ND50] of the biological activity of sFasL/Apo1L (10 ng/ml) )
	WB	0.1 - 0.2 µg/ml
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in Sodium Citrate buffer (pH 6.0) followed by cooling at RT for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

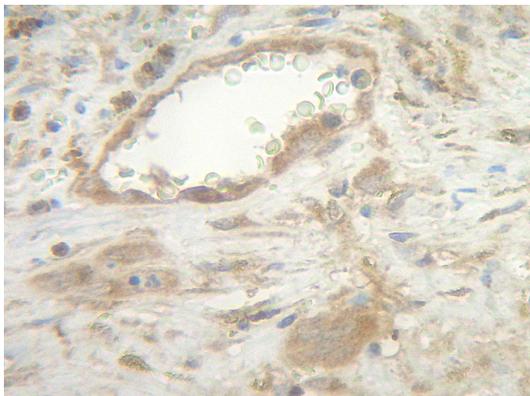
and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

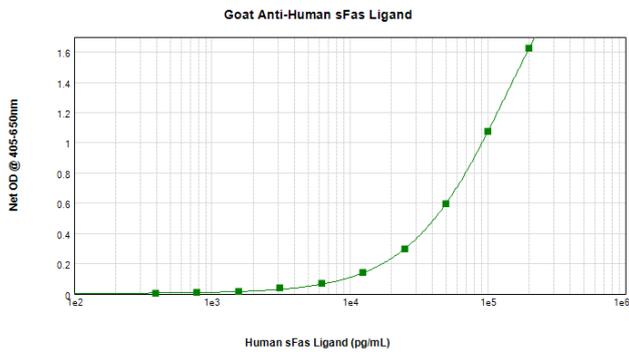
Database links	<a href="#">GeneID: 356 Human</a> <a href="#">Swiss-port # P48023 Human</a>
Gene Symbol	FASLG
Gene Full Name	Fas ligand (TNF superfamily, member 6)
Background	This gene is a member of the tumor necrosis factor superfamily. The primary function of the encoded transmembrane protein is the induction of apoptosis triggered by binding to FAS. The FAS/FASLG signaling pathway is essential for immune system regulation, including activation-induced cell death (AICD) of T cells and cytotoxic T lymphocyte induced cell death. It has also been implicated in the progression of several cancers. Defects in this gene may be related to some cases of systemic lupus erythematosus (SLE). Alternatively spliced transcript variants have been described. [provided by RefSeq, Nov 2014]
Function	Cytokine that binds to TNFRSF6/FAS, a receptor that transduces the apoptotic signal into cells. May be involved in cytotoxic T-cell mediated apoptosis and in T-cell development. TNFRSF6/FAS-mediated apoptosis may have a role in the induction of peripheral tolerance, in the antigen-stimulated suicide of mature T-cells, or both. Binding to the decoy receptor TNFRSF6B/DcR3 modulates its effects.  The FasL intracellular domain (FasL ICD) cytoplasmic form induces gene transcription inhibition. [UniProt]
Calculated Mw	31 kDa
PTM	The soluble form derives from the membrane form by proteolytic processing. The membrane-bound form undergoes two successive intramembrane proteolytic cleavages. The first one is processed by ADAM10 producing an N-terminal fragment, which lacks the receptor-binding extracellular domain. This ADAM10-processed FasL (FasL APL) remnant form is still membrane anchored and further processed by SPPL2A that liberates the FasL intracellular domain (FasL ICD). FasL shedding by ADAM10 is a prerequisite for subsequent intramembrane cleavage by SPPL2A in T-cells. N-glycosylated (PubMed:9228058). Glycosylation enhances apoptotic activity (PubMed:27806260). Phosphorylated by FGR on tyrosine residues; this is required for ubiquitination and subsequent internalization. Monoubiquitinated.

## Images



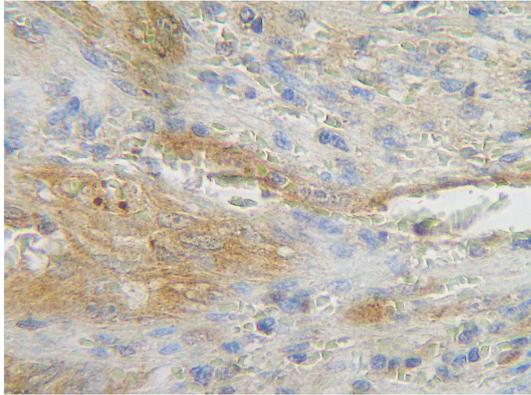
ARG66075 anti-CD178 / Fas Ligand antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded sections of Human angiosarcoma. The recommended ARG66075 anti-CD178 / Fas Ligand antibody concentration is 0.75 µg/ml - 2.5 µg/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Antigen Retrieval: Boil tissue section in Sodium Citrate buffer (pH 6.0) followed by cooling at RT for 20 min.



**ARG66075 anti-CD178 / Fas Ligand antibody standard curve image**

Sandwich ELISA: ARG66075 anti-CD178 / Fas Ligand antibody as a capture antibody at 0.5 - 2.0 µg/ml combined with ARG66076 anti-Fas Ligand antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.



**ARG66075 anti-CD178 / Fas Ligand antibody IHC-P image**

Immunohistochemistry: Formalin-fixed and paraffin-embedded sections of Human angiosarcoma. The recommended ARG66075 anti-CD178 / Fas Ligand antibody concentration is 0.75 µg/ml - 2.5 µg/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Antigen Retrieval: Boil tissue section in Sodium Citrate buffer (pH 6.0) followed by cooling at RT for 20 min.