

Mouse anti-Human FASL Monoclonal Antibody | anti-FASLG antibody

anti-human FAS ligand (FasL) monoclonal antibody

CATALOG # AAA71472	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Flow Cytometry, Functional Assay
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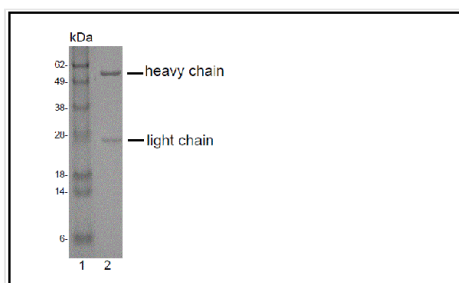
PRODUCT SYNONYMS

FASL; Monoclonal Antibody; anti-human FAS ligand (FasL) monoclonal antibody; CD95; Fas ligand; anti-FASLG antibody

PRODUCT SPECIFICATIONS

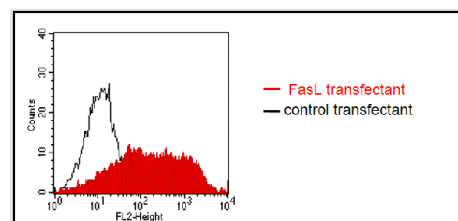
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1/kappa
Clone Number	GM-5F4
Specificity	anti-human Fas ligand (FasL)
Purity/Purification	Protein G
Form/Format	Purified
Sequence Length	281
Applicable Applications for anti-FASLG antibody	ELISA, FCM/FACS (Flow Cytometry)
Buffer	phosphate buffered saline, pH 7.2
Immunogen	genetic immunisation with cDNA encoding human FasL (extracellular domain)
Selection	based on recognition of the complete native protein expressed on transfected mammalian cells
Immunogen	cDNA
Preparation and Storage	Short term: 2 degree C - 8 degree C; long term: -20 degree C (avoid repeated freezing and thawing)

IMAGES



Application Data

SDS-PAGE analysis of GM-5F4 The antibody was purified by protein G affinity chromatography from cell culture supernatants and verified by SDS-Page (Fig.2). Fig.2: SDS-PAGE analysis of purified GM-5F4 monoclonal antibody. Lane 1: molecular weight marker, Lane 2: 2 µg of purified GM-5F4 antibody. Proteins were separated by SDS-PAGE and stained with RAPID Stain™ Reagent.



Application Data

Fig.1: FACS analysis of BOSC23 cells using GM-5F4. cells were transiently transfected with an expression vector encoding either FasL (red curve) or an irrelevant protein (control transfectant: black curve). Binding of GM-5F4 was detected with a PE-conjugated secondary antibody. A positive signal was obtained only with FasL transfected cells.

ADDITIONAL INFORMATION

Related Product Information for anti-FASLG antibody	Background: The FAS ligand (FASL, CD95), a member of the tumor necrosis factor family, induces apoptosis in FAS-bearing cells (1). FASL is a type II membrane receptor with a soluble form that can be released into the extracellular fluid by proteolytic processing. Various cells express Fas, whereas FASL is expressed in activated splenocytes and thymocytes (2). In the immune system, Fas and FasL are involved in down-regulation of immune reactions as well as in T cellmediated cytotoxicity. Malfunction of the Fas system causes lymphoproliferative disorders and accelerates autoimmune diseases, whereas its exacerbation may cause tissue destruction.
References	Nagata S (1996). Apoptosis mediated by the Fas system. Prog Mol Subcell Biol 16:87-103 Suda T,Hashimoto H, Tanaka M, Ochi T, Nagata S (1997). Membrane Fas ligand kills human peripheral blood T lymphocytes, and soluble Fas ligand blocks the killing. J Exp Med 186(12):2045-50 Nagata S and Golstein P (1995). The Fas death factor. Science 10;267(5203):1449-56

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557329
NCBI GeneID	356
NCBI Accession #	NP_000630.1
NCBI GenBank Nucleotide #	NM_000639.1
UniProt Accession #	P48023; Q9BZP9
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 6
NCBI Official Synonym Full Names	Fas ligand (TNF superfamily, member 6)
NCBI Official Symbol	FASLG
NCBI Official Synonym Symbols	APTL; FASL; CD178; CD95L; ALPS1B; CD95-L; TNFSF6; APT1LG1
NCBI Protein Information	tumor necrosis factor ligand superfamily member 6; CD95 ligand; fas antigen ligand; apoptosis antigen ligand; apoptosis (APO-1) antigen ligand 1; tumor necrosis factor (ligand) superfamily, member 6
UniProt Gene Name	FASLG
UniProt Synonym Gene Names	APT1LG1; CD95L; FASL; TNFSF6; APTL; CD95-L; Fas ligand; FasL; sFasL; APL; FasL ICD; SPA
UniProt Entry Name	TNFL6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/fasl-antibody-clone-gm-5f4-flow-cytometry-elisa/71472>