SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-CD95/FAS antibody

Catalog Number: SL6477R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CD95/FAS
Immunogen:	KLH conjugated synthetic peptide derived from human FAS/Apo-1/CD95: 81-170/335 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 Flow-Cyt=2µg/Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse,Rat(predicted:Pig)
Predicted MW.:	34kDa
Subcellular Location:	The cell membrane Secretory protein
Background:	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contains a death domain. It has been shown to play a central role in the physiological regulation of programmed cell death, and has been implicated in the pathogenesis of various malignancies and diseases of the immune system. The interaction of this receptor with its ligand allows the formation of a death-inducing signaling complex that includes Fas-associated death domain protein (FADD), caspase 8, and caspase 10. The autoproteolytic processing of the caspases in the complex triggers a downstream caspase cascade, and leads to apoptosis. This receptor has been also shown to activate NF-kappaB, MAPK3/ERK1, and MAPK8/JNK, and is found to be involved in transducing the proliferating signals in normal diploid fibroblast and T cells. Several alternatively spliced transcript variants have been described, some of

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

	which are candidates for nonsense-mediated mRNA decay (NMD). The isoforms lacking the transmembrane domain may negatively regulate the apoptosis mediated by the full length isoform. [provided by RefSeq, Mar 2011] **Function:** Receptor for TNFSF6/FASLG. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. FAS-mediated apoptosis may have a role in the induction of peripheral tolerance, in the antigen-stimulated suicide of mature T-cells, or both. The secreted isoforms 2 to 6 block apoptosis (in vitro). **Subunit:** Binds DAXX. Interacts with HIPK3. Part of a complex containing HIPK3 and FADD. Binds RIPK1 and FAIM2. Interacts with BRE and FEM1B. Interacts with FADD. **Subcellular Location:** Isoform 1: Cell membrane; Single-pass type I membrane protein. Isoform 2, 3, 4, 5, 6: Secreted. **Tissue Specificity:** Isoform 1 and isoform 6 are expressed at equal levels in resting peripheral blood mononuclear cells. After activation there is an increase in isoform 1 and decrease in the levels of isoform 6. **Post-translational modifications:** N- and O-glycosylated. O-glycosylated with core 1 or possibly core 8 glycans. DISEASE: Defects in FAS are the cause of autoimmune lymphoproliferative syndrome type 1A (ALPS1A) [MIM:601859]; also known as Canale-Smith syndrome (CSS). ALPS is a childhood syndrome involving hemolytic anemia and thrombocytopenia with massive lymphadenopathy and splenomegaly. **Similarity:** Contains 1 death domain. Contains 3 TNFR-Cys repeats. **Database links:** **Entrez Gene:** 355 Human **Entrez Gene:** 14102 Mouse **Entrez Gene:** 246097 Rat Omim: 134637 Human **SwissProt:** P25445 Human **SwissProt:** P25446 Mouse **SwissProt:** Q63199 Rat **Unigene:** 244139 Human **Unigene:** 1626 Mouse **Unigene:** 162521 Rat

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

SunLong Biotech Co.,LTD

Tel: 0086-571-56623320 Fax:0086-571-56623318

E-mail:sales@sunlongbiotech.com

www.sunlongbiotech.com

[VALIDATION IMAGES]

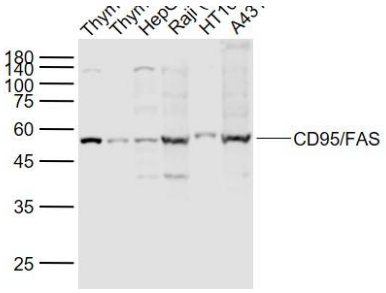


Figure 1. Sample: Lane 1: Thymus (Mouse) Lysate at 40 ug Lane 2: Thymus (Rat) Lysate at 40 ug Lane 3: HepG2 (Human) Cell Lysate at 30 ug Lane 4: Raji (Human) Cell Lysate at 30 ug Lane 5: HT1080 (Human) Cell Lysate at 30 ug Lane 6: A431 (Human) Cell Lysate at 30 ug Primary: Anti- CD95/FAS (SL6477R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 34 kD Observed band size: 52 kD

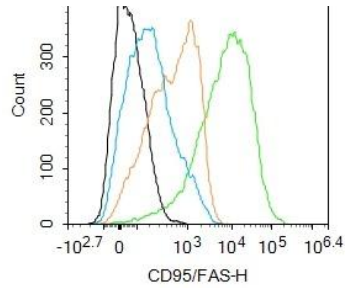


Figure 2. Blank control:Raji. Primary Antibody (green line): Rabbit Anti-CD95/FAS antibody (SL6477R) Dilution: 2ug/Test; Secondary Antibody: Goat anti-rabbit IgG-BF488 Dilution: 0.5ug/Test. Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature.Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed

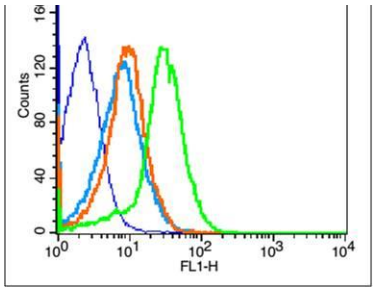


Figure 3. Blank control(blue):Mouse Kidney (fixed with 2% paraformaldehyde for 10 min at 37℃). Primary Antibody:Rabbit Anti-CD95/FAS antibody (SL6477R,Green); Dilution: 1μg in 100 μL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange),used under the same conditions; Secondary Antibody: Goat anti-rabbit IgG-FITC(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.