bs-0216R **[Primary Antibody]**

Fas Ligand Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 356 **SWISS:** P48023

Target: Fas Ligand

Immunogen: KLH conjugated synthetic peptide derived from human Fas Ligand: 196-281/281.

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.

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 spiced transcript variants have been described. [provided by RefSeq, Nov 2014]

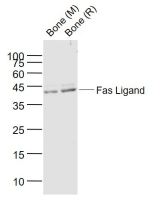
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1µg/Test)

Reactivity: Human, Mouse, Rat (predicted: Cow)

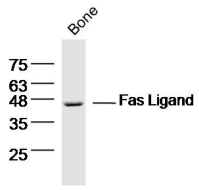
Predicted MW.: 31 kDa

Subcellular Location: Secreted ,Extracellular matrix ,Cell membrane ,Nucleus

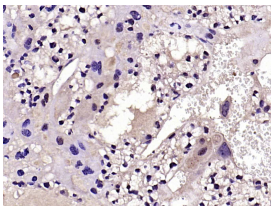
VALIDATION IMAGES



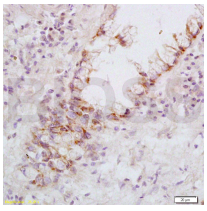
Sample: Lane 1: Bone (Mouse) Lysate at 40 ug Lane 2: Bone (Rat) Lysate at 40 ug Primary: Anti-Fas Ligand (bs-0216R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40 kD Observed band size: 40 kD



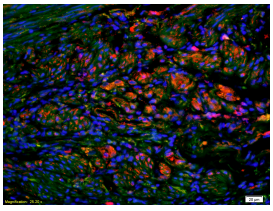
Sample: Bone (mouse) Lysate at 40 ug Primary: Anti- Fas ligand (bs-0216R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kD Observed band size: 46 kD



Paraformaldehyde-fixed, paraffin embedded (mouse placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Fas Ligand) Polyclonal Antibody, Unconjugated (bs-0216R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Tissue/cell: human rectal carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block



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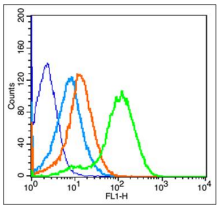
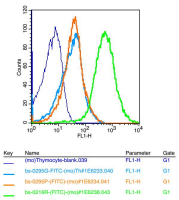


Blank control: Mouse Kidney (blue). Primary Antibody:Rabbit Anti-phospho-Fas Ligand antibody (bs-0216R,Green); Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control

endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-FasL Polyclonal Antibody, Unconjugated(bs-0216R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-FasL Polyclonal Antibody, Unconjugated(bs-0216R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei

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. Protocol The cells were fixed with 2% paraformaldehyde for 10 min at 37°C. Primary antibody (bs-0216R, 1μg /1x10^6 cells) were incubated for 30 min at room temperature, followed by 1 X PBS containing 0.5% BSA + 1 0% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/FITC antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 40 min on ice. Acquisition of 20,000 events was performed.



Blank control: mouse thymouses(blue) Isotype Control Antibody: Rabbit IgG(orange) ; Secondary Antibody: Goat anti-rabbit IgG-FITC(white blue), Dilution: 1:100 in 1 X PBS containing 0.5% BSA ; Primary Antibody Dilution: 1μl in 100 μL1X PBS containing 0.5% BSA(green).

SELECTED CITATIONS

- **[IF=10.3]** Dan Mei. et al. Immune isolation-enabled nanoencapsulation of donor T cells: a promising strategy for mitigating GVHD and treating AML in preclinical models. J IMMUNOTHER CANCER. 2024 Sep;12(9):e008663 WB ;Mouse. 39242117
- **[IF=5.699]** Janos L. Tanyi. et al. Personalized cancer vaccine strategy elicits polyfunctional T cells and demonstrates clinical benefits in ovarian cancer. Npj Vaccines. 2021 Mar;6(1):1-14 IHC ;Mouse. 33723260
- **[IF=5.23]** Lv, Yanhong, et al. "Antiproliferative and Apoptosis-inducing Effect of exo-Protoporphyrin IX based Sonodynamic Therapy on Human Oral Squamous Cell Carcinoma." Scientific Reports 7 (2017): 40967. WB ;="Mouse". 28102324
- **[IF=3.9]** Higashi Yuri. et al. Platelet aggregation elicits FasL expression and hepatocyte apoptosis in sinusoidal obstruction syndrome. SCI REP-UK. 2025 May;15(1):1-12 IHC,WB,ICC ;Mouse,Human. 40442395
- **[IF=3.53]** Song, Xiufang, et al. "Polychlorinated biphenyl quinone metabolite promotes p53-dependent DNA damage checkpoint activation, S-phase cycle arrest and extrinsic apoptosis in human liver hepatocellular carcinoma HepG2 Cells."Chemical Research in Toxicology (2015). WB ;="Human". 26451628