bs-6477R **[Primary Antibody]**

CD95/FAS Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 355 **SWISS:** P25445

Target: CD95/FAS

Immunogen: KLH conjugated synthetic peptide derived from human FAS/Apo-1/CD95: 81-170/335.

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: 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 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]

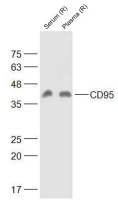
Applications: **WB** (1:500-2000)
Flow-Cyt (2μg/Test)

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

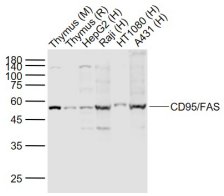
Predicted MW.: 34 kDa

Subcellular Location: Secreted ,Cell membrane

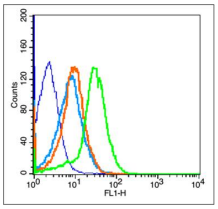
VALIDATION IMAGES



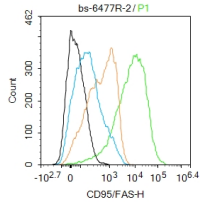
Sample: serum (Rat) at 40 ug plasma (Rat) at 40 ug Primary: Anti-CD95 (bs-6477R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 34 kD Observed band size: 42 kD



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 (bs-6477R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 45/52 kD Observed band size: 52 kD



Blank control(blue):Mouse Kidney (fixed with 2% paraformaldehyde for 10 min at 37°C). Primary Antibody:Rabbit Anti-CD95/FAS antibody (bs-6477R,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.



Blank control:Raji. Primary Antibody (green line): Rabbit Anti-CD95/FAS antibody (bs-6477R) Dilution: 2ug/Test; Secondary Antibody : Goat anti-rabbit IgG-AF488 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.

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=7.129]** Furui Han. et al. In vivo and in vitro study on hepatotoxicity of Tris-(2, 3-dibromopropyl) isocyanurate exposure via mitochondrial and death receptor pathway. ECOTOX ENVIRON SAFE. 2022 Nov;246:114186 WB ;Rat, Human. 36244175
- **[IF=5.5]** Fu et al. Lack of ClC-2 Alleviates High Fat Diet-Induced Insulin Resistance and Non-Alcoholic Fatty Liver Disease. (2018) Cell.Physiol.Biochem. 45:2187-2199 WB ;Mouse. 29550812
- **[IF=3.53]** Fang C, Zhang J, Qi D, Fan X, Luo J, et al. (2014) Evodiamine Induces G2/M Arrest and Apoptosis via Mitochondrial and Endoplasmic Reticulum Pathways in H446 and H1688 Human Small-Cell Lung Cancer Cells. PLoS ONE 9(12): e115204. WB ;="Human". 25506932
- **[IF=2.1]** Shao S et al. Toosendanin induces apoptosis of MKN-45 Human gastric cancer cells partly through miR-23a-3p-mediated downregulation of BCL2. Mol Med Rep . 2020 Sep;22(3):1793-1802. WB ;Human. 32582989