

Anti-Fas/CD95 Polyclonal Antibody 2

Product Details

Ig Type: IgG
 Reactivity: Human, Mouse, Rat (predicted: Pig)
 Molecular Weight: Theoretical: 34 kDa. Actual: 52 kDa.
 Purification: Protein A purified

Applications

1. Blank control: Raji.

Primary Antibody (green line): Rabbit Anti-CD95/FAS antibody (TMAB-00657)

Dilution: 2 µg/Test;

Secondary Antibody: Goat anti-rabbit IgG-AF488

Dilution: 0.5 µg/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.

2. Blank control (blue): Mouse Kidney (fixed with 2% paraformaldehyde for 10 min at 37°C).

Primary Antibody: Rabbit Anti-CD95/FAS antibody (TMAB-00657, Green); Dilution: 1 µg 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.

3. Sample:

Lane 1: Thymus (Mouse) Lysate at 40 µg

Lane 2: Thymus (Rat) Lysate at 40 µg

Lane 3: HepG2 (Human) Cell Lysate at 30 µg

Lane 4: Raji (Human) Cell Lysate at 30 µg

Lane 5: HT1080 (Human) Cell Lysate at 30 µg

Lane 6: A431 (Human) Cell Lysate at 30 µg

Primary: Anti-CD95/FAS (TMAB-00657) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 45/52 kDa

Observed band size: 52 kDa

4. Sample: serum (Rat) at 40 µg plasma (Rat) at 40 µg

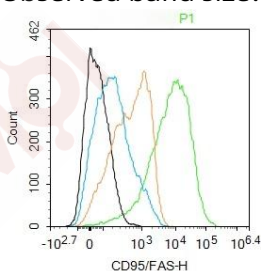
Primary: Anti-CD95 (TMAB-00657) at 1/1000 dilution

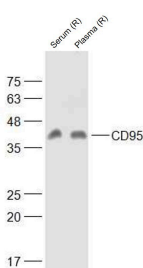
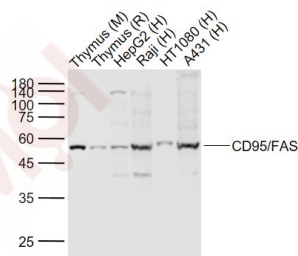
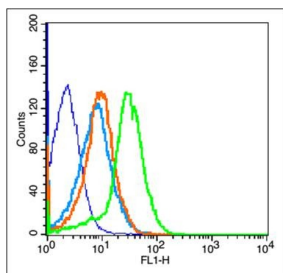
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 34 kDa

Observed band size: 42 kDa

Verified Activity:





Application: FCM,WB

Recommended WB: 1:500-2000; FCM: 2µg/Test

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human FAS/Apo-1/CD95

Antigen Species: Human

Gene ID: 355

Uniprot ID: P25445

Synonyms: Fas cell surface death receptor;APO-1;TNFRSF6;ALPS1A;APT1;CD95;FAS1;FASTM

Biology Area: Death Receptors,Cytokines,TNF Superfamily

Research 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,

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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]

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