

## Anti-Fas/CD95 Polyclonal Antibody

### Product Details

|                   |   |
|-------------------|---|
| Ig Type:          | IgG                                     |
| Reactivity:       | Human,Mouse,Rat (predicted:Pig)         |
| Molecular Weight: | Theoretical: 35 kDa. Actual: 42-52 kDa. |
| Purification:     | Protein A purified                      |

### Applications

#### 1. 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-00656) 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

#### 2. Sample: serum (Rat) at 40 µg plasma (Rat) at 40 µg

Primary: Anti-CD95 (TMAB-00656) 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:

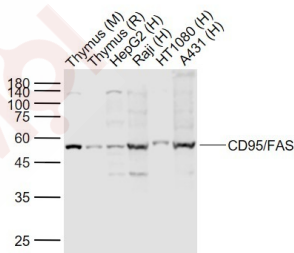
3. Blank control (blue): Mouse Kidney (fixed with 2% paraformaldehyde for 10 min at 37°C).  
 Primary Antibody: Rabbit Anti-CD95/FAS antibody (TMAB-00656,Green); Dilution: 1 µg in 100 µL  
 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG (orange),used under the  
 same conditions; Secondary Antibody: Goat anti-rabbit IgG-FITC (white blue), Dilution: 1:200 in  
 1 X PBS containing 0.5% BSA.

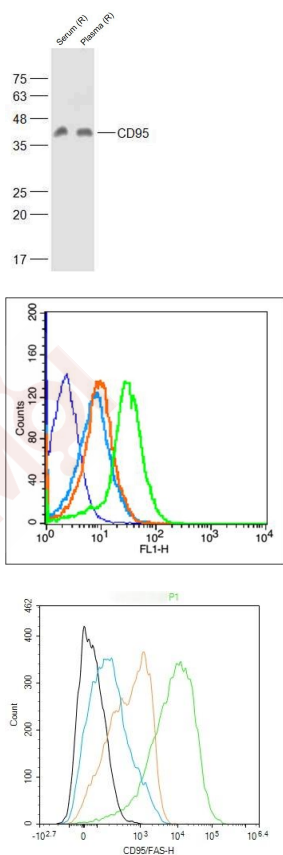
#### 4. Blank control: Raji.

Primary Antibody (green line): Rabbit Anti-CD95/FAS antibody (TMAB-00656)  
 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.





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: rat FAS

Antigen Species: Rat

Gene ID: 246097

Uniprot ID: Q63199

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

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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481