

## CD95 / FAS / TNFRSF6 Antibody

Mouse Monoclonal Antibody [Clone B-R18]

Catalog No	Format	Size
355-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
355-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
355-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

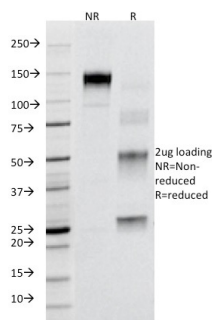
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

<b>Clone</b>	B-R18
<b>Gene Name</b>	FAS
<b>Immunogen</b>	Recombinant human CD95 protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	38-50kDa
<b>Cellular Localization</b>	Cell membrane, Membrane raft, Secreted
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	MCF-7 cells (IF/FACS). Human hepatocellular or bladder carcinoma (IHC).

\*Optimal dilution for a specific application should be determined.

### Product Images for CD95 / FAS / TNFRSF6 Antibody



SDS-PAGE Analysis of Purified CD95 Mouse Monoclonal Antibody (B-R18).  
Confirmation of Purity and Integrity of Antibody.

### **Specificity & Comments**

MAb B-R18 specifically recognizes CD95, also known as Fas, a transmembrane glycoprotein with a MW of 40-45kDa, containing 8kDa of N-glycoside-linked polysaccharide. It is a receptor for TNFSF6/FASLG, a member of the nerve growth factor receptor/tumor necrosis factor superfamily, mediating receptor-triggered apoptosis. 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). CD95 antigen is expressed on the surface of various cell types, preferentially on the CD45RAlow CD45ROhigh subset of memory T lymphocytes.

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### **Limitations and Warranty**

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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### **Supplied As**

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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### **Storage and Stability**

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

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### **Research Areas**

AKT Signaling, Apoptosis, Autophagy, Cancer, Cardiovascular, Complement System, Endothelial Cell Marker, Immuno Oncology, MAPK Signaling, Signal Transduction, Transcription Factors

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