

## Survivin / BIRC5 Antibody

Mouse Monoclonal Antibody [Clone BIRC5/9073]

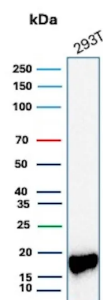
Catalog No	Format	Size
332-MSM13-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
332-MSM13-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
332-MSM13-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Western Blot (WB)	2-4ug/ml	

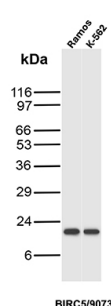
Product Details	
<b>Clone</b>	BIRC5/9073
<b>Gene Name</b>	BIRC5
<b>Immunogen</b>	Recombinant fragment (around aa1-142) of human BIRC5 protein (exact sequence is proprietary)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	17kDa
<b>Cellular Localization</b>	Nucleus. Cytoplasm.
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Human fetal kidney, liver, lymphoma or adenocarcinoma. 293T cells. Ramos, K-562.

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

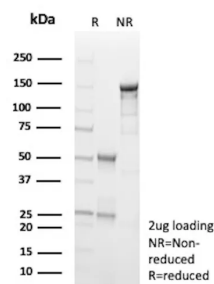
### Product Images for Survivin / BIRC5 Antibody



Western Blot Analysis of 293T cell lysate using Survivin Mouse Monoclonal Antibody (BIRC5/9073).



Western Blot Analysis of Ramos and K-562 lysates using Survivin Mouse Monoclonal Antibody (BIRC5/9073).



SDS-PAGE Analysis Purified Survivin Mouse Monoclonal Antibody (BIRC5/9073). Confirmation of Purity and Integrity of Antibody.

### **Specificity & Comments**

The baculovirus protein p35 inhibits virally induced apoptosis of invertebrate and mammalian cells and may function to impair the clearing of virally infected cells by the host's immune system. This is accomplished at least in part by its ability to block both TNF- and FAS-mediated apoptosis through the inhibition of the ICE family of serine proteases. Two mammalian homologs of baculovirus p35, referred to as inhibitor of apoptosis protein (IAP) 1 and 2, share an amino terminal baculovirus IAP repeat (BIR) motif and a carboxy terminal RING finger. Although the c-IAPs do not directly associate with the TNF receptor (TNF-R), they efficiently block TNF-mediated apoptosis through their interaction with the downstream TNF-R effectors, TRAF1 and TRAF2. Additional IAP family members include ILP (for IAP-like protein) and survivin. ILP inhibits activated caspase-3, leading to the resistance of FAS-mediated apoptosis. Survivin (also designated TIAP) is expressed during the G2/M phase of the cell cycle and associates with microtubules of the mitotic spindle. Increased caspase-3 activity is detected when a disruption of survivin-microtubule interactions occurs.

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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**

Apoptosis, Autophagy, Colon Cancer, Cytokine Signaling, Immunology, Ovarian Cancer, Signal Transduction, Transcription Factors

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