

## CD47 / IAP (Integrin Associated Protein) Antibody

Mouse Monoclonal Antibody [Clone IAP/964]

Catalog No	Format	Size
961-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
961-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
961-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

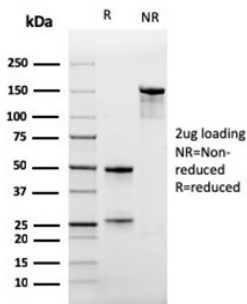
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

### Product Details

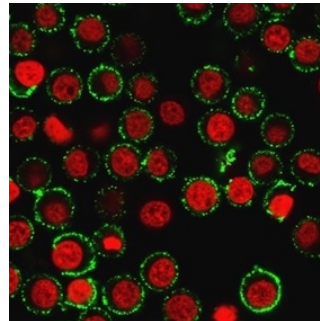
<b>Clone</b>	IAP/964
<b>Gene Name</b>	CD47
<b>Immunogen</b>	Recombinant full-length human IAP protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	~50kDa
<b>Cellular Localization</b>	Cell membrane
<b>Species Reactivity</b>	Human, Mouse
<b>Positive Control</b>	brain or ovarian tumors (IHC)., HUVEC or OVCA3 cells (IF/FACS). Human placenta, MCF-7

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

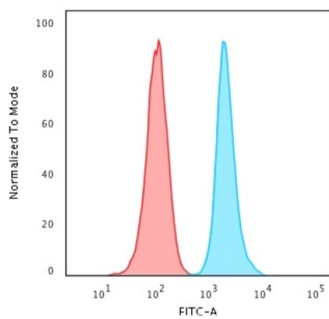
### Product Images for CD47 / IAP (Integrin Associated Protein) Antibody



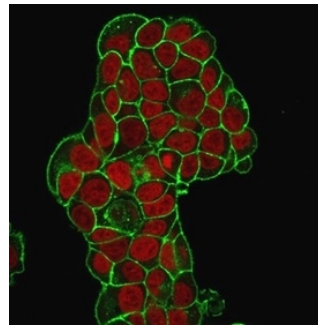
SDS-PAGE Analysis of Purified CD47 Mouse Monoclonal Antibody (IAP/964)  
Confirmation of Integrity and Purity of Antibody.



Immunofluorescence Analysis of live Jurkat cells. CD47 Mouse Monoclonal Antibody (IAP/964) followed by goat anti-mouse IgG-CF488 (green). The nuclear counterstain is RedDot.



Flow cytometric analysis of live Jurkat cells. CD47 Mouse Monoclonal Antibody (IAP/964) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).



Immunofluorescence Analysis of PFA-fixed MCF-7 cells. CD47 Mouse Monoclonal Antibody (IAP/964) followed by goat anti-mouse IgG-CF488 (green). The nuclear counterstain is RedDot (red).

### Specificity & Comments

This antibody reacts with Ig domain of CD47 protein. CD47, originally named integrin-associated protein (IAP), is a 50kDa protein containing five membrane-spanning sequences and a short cytoplasmic tail. CD47 plays a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins. It is important in memory formation and synaptic plasticity in the hippocampus. CD47 may play a role in membrane transport and/or integrin dependent signal transduction.

### 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.

### 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.

### Research Areas

Cardiovascular, Immunology, Immune checkpoint

### 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.