CD47 / IAP (Integrin Associated Protein) Antibody

Mouse Monoclonal Antibody [Clone B6H12.2]

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

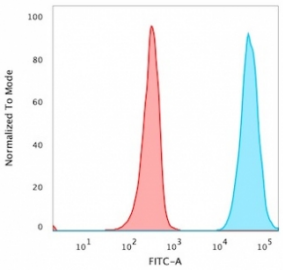
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

Product Details

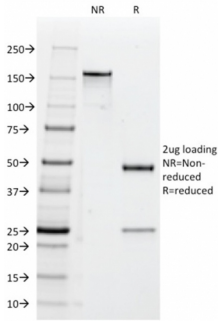
Clone	B6H12.2
Gene Name	CD47
Immunogen	Intact CD47 Purified from placenta
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	~50kDa
Cellular Localization	Cell membrane
Species Reactivity	Human
Positive Control	A549, K-562, Jurkat, MCF-7 or OVCA3 cells. Human placenta, kidney, stomach, brain or ovarian tumors.

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

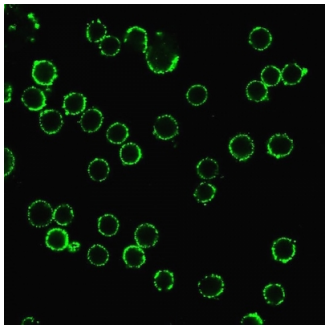
Product Images for CD47 / IAP (Integrin Associated Protein) Antibody



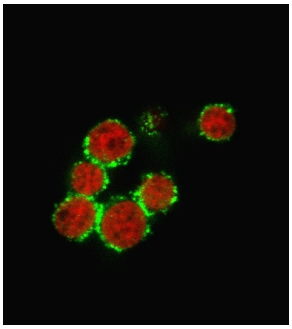
Flow Cytometric Analysis of live Jurkat cells. CD47 Mouse MonoclonalAntibody (B6H12.2) followed by goat anti-mouse IgG-CF488 (Blue); Isotype Control (Red).



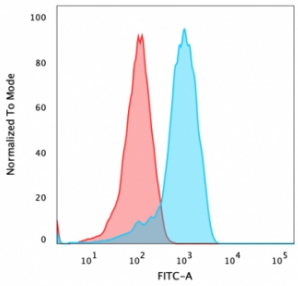
SDS-PAGE Analysis Purified CD47 Mouse Monoclonal Antibody (B6H12.2). Confirmation of Purity and Integrity of Antibody.



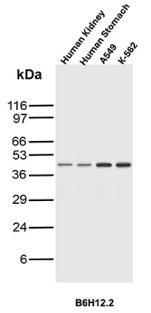
Immunofluorescent image of live Jurkat cells. CD47 Mouse Monoclonal Antibody (B6H12.2) followed by goat anti-mouse IgG-CF488 (green).



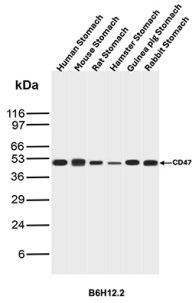
Immunofluorescent image of PFA-fixed Jurkat cells.CD47 Mouse Monoclonal Antibody (B6H12.2) followed bygoat anti-mouse IgG-CF488 (green).



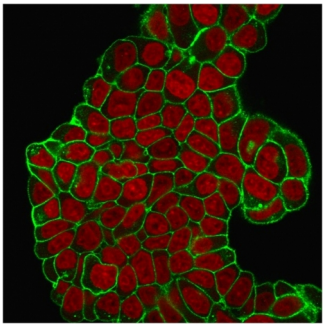
Flow Cytometric Analysis of PFA-fixed Jurkat cells.CD47 Mouse Monoclonal Antibody (B6H12.2) followed bygoat anti-mouse IgG-CF488 (Blue); Isotype Control (Red).



Western blot analysis of Human kidney, Human Stomach, A549 and K-562 lysates using CD47 Mouse Monoclonal Antibody (B6H12.2).



Western blot analysis of stomach tissue lysates of different species using CD47 Mouse Monoclonal Antibody (B6H12.2).



Immunofluorescent staining of PFA-fixed MCF-7 cells. CD47 MouseMonoclonal Antibody (B6H12.2) followed by goat anti-Mouse IgG-CF488 (green). Nuclei are stained with Redot (red).

Specificity & Comments

This antibody reacts with Ig domain of CD47 protein. It has been shown to inhibit polymorphonuclear neutrophil (PMN) transmigration across cell monolayers and matrix. 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, Immune checkpoint, Immunology

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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