

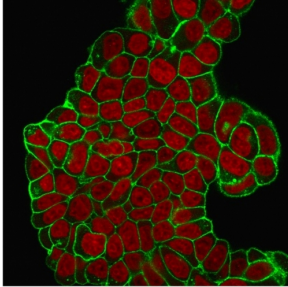
Anti-CD47 Antibody [B6H12.2] (A250728)

Specifications:

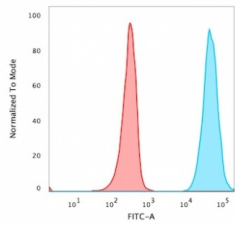
Name:	Anti-CD47 Antibody [B6H12.2]
Description:	Mouse monoclonal [B6H12.2] antibody to CD47.
Specificity:	This antibody reacts with Ig domain of CD47 protein. It has been shown to inhibit polymorphonuclear neutrophil (PMN) transmigration across cell monolayers and matrix. CD47, originally named integrin-associated 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.
Applications:	Functional Studies, WB, Flow Cytometry, IF
Recommended Dilutions:	WB: 1-2 µg/ml, Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Intact CD47 purified from placenta.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	B6H12.2
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-CD47 Antibody [B6H12.2] - BSA and Azide free (A253908).
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

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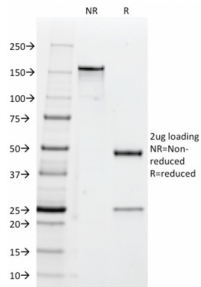
Images:



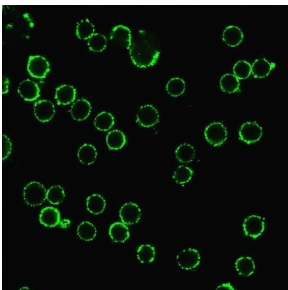
Immunofluorescent analysis of PFA fixed MCF-7 cells stained with Anti-CD47 Antibody [B6H12.2] followed by Goat Anti-Mouse IgG (CF® 488) (Green). Nuclear counterstain is RedDot.



Flow cytometric analysis of live Jurkat cells using Anti-CD47 Antibody [B6H12.2] followed by Goat Anti-Mouse IgG (CF® 488) (Blue). Isotype Control (Red).



SDS-PAGE analysis of Anti-CD47 Antibody [B6H12.2] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.



Immunofluorescent analysis of live Jurkat cells stained with Anti-CD47 Antibody [B6H12.2] followed by Goat Anti-Mouse IgG (CF® 488) (Green).