

Product Datasheet

CD47 Antibody / IAP (orb2639497)

Catalog Number	orb2639497
Category	Antibodies
Description	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.
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	1 mg/ml in 1X PBS; rAlbumin free, sodium azide free
Purification	Protein G affinity chromatography
Immunogen	Recombinant human protein was used as the immunogen for the CD47 antibody.
UniProt ID	Q08722
Tested applications	FACS, IF
Dilution range	Immunofluorescence: 1-2ug/ml, Flow cytometry: 1-2ug/million cells
Application notes	Optimal dilution of the CD47 antibody should be determined by the researcher.

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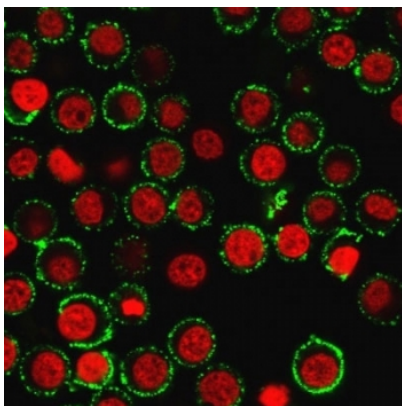
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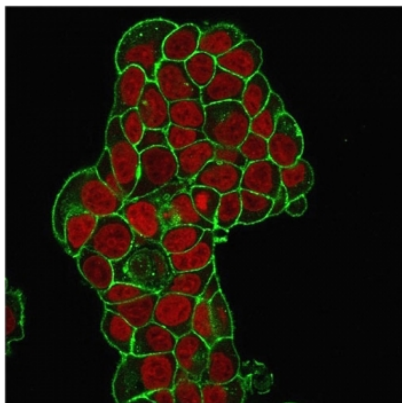
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Antibody Type	Primary Antibody
Clone Number	IAP/964
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Immunofluorescent staining of live human Jurkat cells with CD47 antibody (green, clone IAP/964) and Reddot nuclear stain (red).



Immunofluorescent staining of PFA-fixed human MCF7 cells with CD47 antibody (green, clone IAP/964) and Reddot nuclear stain (red).

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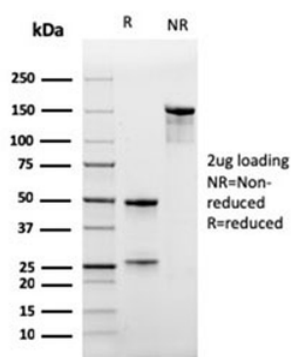
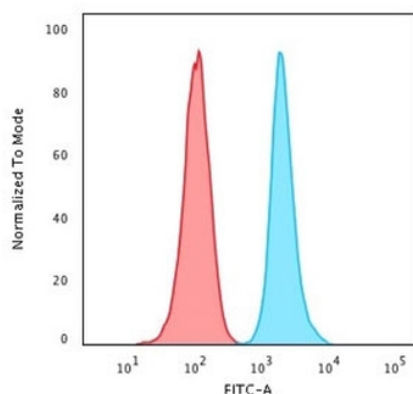
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