

Mouse anti-Human, Mouse CD47 / IAP Monoclonal Antibody | anti-CD47 antibody

CD47 / IAP (Integrin Associated Protein) Mouse Monoclonal Antibody

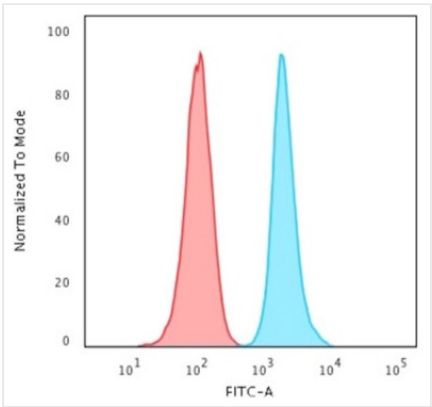
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62772	Mouse	Human, Mouse	Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

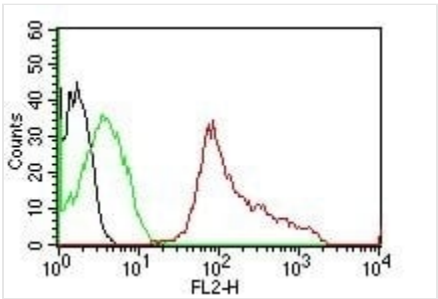
CD47 / IAP; Monoclonal Antibody; CD47 / IAP (Integrin Associated Protein) Mouse Monoclonal Antibody; Antigenic Surface Determinant Protein OA3; IAP; Integrin Associated Protein; Integrin Associated Signal Transducer; MER6; OA3; Protein MER6; Rh Related Antigen; anti-CD47 antibody

PRODUCT SPECIFICATIONS

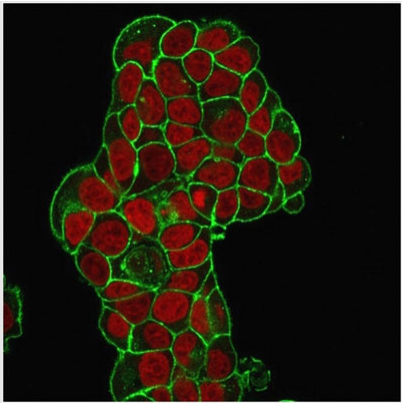
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	IAP/964
Specificity	This antibody reacts with Ig domain of CD47 protein. CD47, originally named integrin-associated protein (IAP), is a 50kDa protein containing five membrane-spanning sequences and a short cytoplasmic 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.
Form/Format	200 ug/ml of Ab purified from bioreactor Concentrate by Protein A/G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide
Sequence Length	323
Applicable Applications for anti-CD47 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cell Membrane
Immunogen	Recombinant full-length human IAP protein
Positive Control	MCF-7, HUVEC or OVCA3 cells (IF/FC). Human placenta, brain or ovarian tumors (IHC).
Research Area	Cardiovascular, Immune checkpoint, Immunology
Preparation and Storage	Antibody with azide: Store at 2 to 8 degree C. Non-hazardous. No MSDS required.



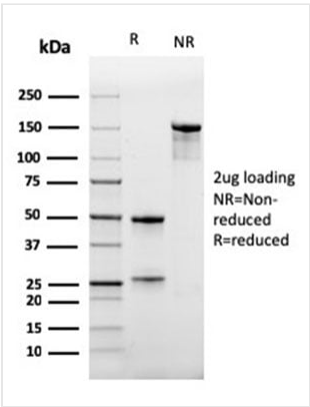
FCM/FACS (Flow Cytometry)
Flow cytometric analysis of live Jurkat cells. CD47 Mouse Monoclonal Antibody (IAP/964) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).



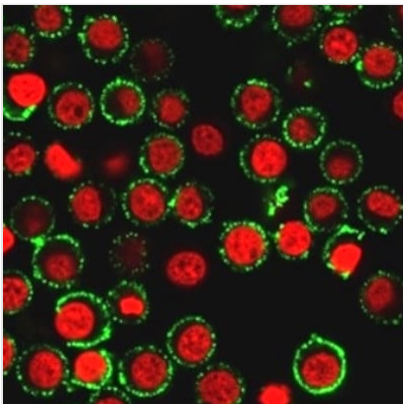
FCM/FACS (Flow Cytometry)
Flow cytometric analysis of live Jurkat cells. CD47 Mouse Monoclonal Antibody (IAP/964) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).



IF (Immunofluorescence)
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 Redot.



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



IF (Immunofluorescence)
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.

ADDITIONAL INFORMATION

References	Edris B et. al. Proc Natl Acad Sci USA 109:6656-61 (2012). Willingham SB et. al. Proc Natl Acad Sci USA 109:6662-7 (2012)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502673
NCBI GeneID	961
NCBI Accession #	NP_001768.1
NCBI GenBank Nucleotide #	NM_001777.3
UniProt Accession #	Q08722; Q53Y71; Q96A60; A8K198; D3DN59
Molecular Weight	~50kDa
NCBI Official Full Name	leukocyte surface antigen CD47 isoform 1
NCBI Official Synonym Full Names	CD47 molecule
NCBI Official Symbol	CD47
NCBI Official Synonym Symbols	IAP; OA3; MER6
NCBI Protein Information	leukocyte surface antigen CD47
UniProt Protein Name	Leukocyte surface antigen CD47
UniProt Gene Name	CD47
UniProt Synonym Gene Names	MER6; IAP
UniProt Entry Name	CD47_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd47-iap-antibody-clone-iap-964-immunofluorescence-flow-cytometry-elisa/62772>