

Mouse CD47 Monoclonal Antibody | anti-CD47 antibody

Anti-Human/Mouse/Rat CD47 Monoclonal Antibody (PE Conjugated)

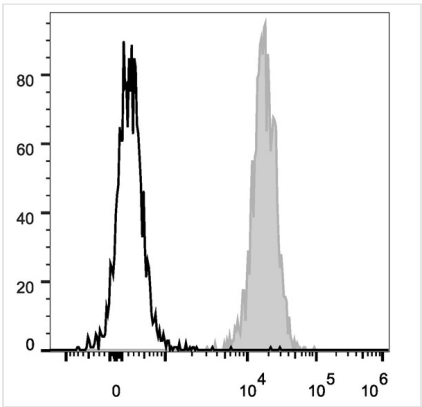
CATALOG # AAA174733	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD47; Monoclonal Antibody; Anti-Human/Mouse/Rat CD47 Monoclonal Antibody (PE Conjugated); Leukocyte surface antigen CD47; Cd47; Integrin-associated protein; IAP; anti-CD47 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1 ?
Clone Number	MIAP410
Form/Format	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
Sequence Length	323
Applicable Applications for anti-CD47 antibody	FCM/FACS (Flow Cytometry)
Conjugation	PE
Conjugate Note	PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green (561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42 nm bandpass filter).
Isotype Control	PE Mouse IgG1, ? Isotype Control[MOPC-21] [Product]
Usage	Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 uL of antibody per test (million cells in 100 uL staining volume or per 100 uL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
Preparation and Storage	Store at 2-8°C and protect from prolonged exposure to light. Do not freeze.



FCM/FACS (Flow Cytometry)
C57BL/6 murine splenocytes are stained with Anti-Human/Mouse/Rat CD47 Monoclonal Antibody(PE Conjugated)(filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

ADDITIONAL INFORMATION

Related Product Information for anti-CD47 antibody	CD47, also known as Integrin-Associated Protein (IAP), is a membrane protein of about 50 kD with an IgV-like extracellular domain, a five membrane-spanning segment and a short terminal cytoplasmic region. It is widely expressed on many cell types and often associated with beta 3 integrins. It has been reported that CD47 functions as a self marker. Red cells lacking CD47 were rapidly cleared from the bloodstream by splenic macrophages. By binding to SIRPalpha, CD47 controls hemostatic innate immune functions, such as phagocytosis and cell trafficking.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1171879
NCBI GeneID	961
UniProt Accession #	Q08722; Q61735; P97829
NCBI Official Full Name	Leukocyte surface antigen CD47
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.