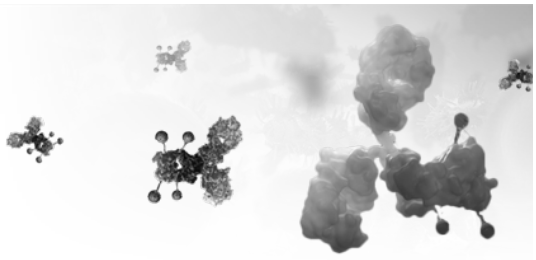

Anti-CD47 monoclonal antibody, clone 1/1A4 (CABT-46258MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse anti Human CD47 antibody, clone 1/1A4 recognizes human CD47, also known as integrin-associated protein, a 50kDa glycoprotein expressed on all haematopoietic cell lines, epithelial cells, endothelial cells, fibroblasts and many tumour cell lines. CD47 is involved in several cellular processes including regulation of T cell and dendritic cell activation, regulation of neutrophil (PMN) chemotaxis, caspase-independent apoptosis, and may act as a signal transducer in the regulation of cation fluxes across cell membranes. CD47 has been identified as a ligand for the inhibitory macrophage receptor known as signal regulatory protein alpha (SIRPalpha) and as a receptor for thrombospondin-1. Cross-linking of CD47 with clone 1/1A4 co-stimulates the proliferation of T cells. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.
Specificity	CD47
Immunogen	Human erythrocytes
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	1/1A4
Conjugate	Unconjugated
Applications	IHC-Fr; FC; IP
Format	Purified IgG - liquid
Size	200 µg

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Preservative	0.09% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CD47 CD47 molecule [Homo sapiens (human)]
Official Symbol	CD47
Synonyms	CD47; CD47 molecule; IAP; OA3; MER6; leukocyte surface antigen CD47; CD47 glycoprotein; Rh-related antigen; integrin associated protein; integrin-associated protein; integrin-associated signal transducer; antigenic surface determinant protein OA3; antigen
Entrez Gene ID	961
Protein Refseq	NP_001768
UniProt ID	Q08722
Chromosome Location	3q13.1-q13.2
Pathway	Cell surface interactions at the vascular wall; Cell-Cell communication; ECM-receptor interaction; Extracellular matrix organization; Hemostasis; Integrin cell surface interactions; Integrins in angiogenesis; Signal regulatory protein (SIRP) family interactions;
Function	protein binding; thrombospondin receptor activity;

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