



Anti-CD47 monoclonal antibody, clone OX-101 [R-PE] (CABT-46267MR)

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

PRODUCT INFORMATION

Product Overview	Clone OX-101 recognizes the rat homologue of human CD47, which has been identified as the ligand for the rat signal regulatory protein (SIRP). Rat CD47 is expressed primarily by lymphocytes and macrophages but has also been detected at high levels on brain endothelial cells. Clone OX-101 has been reported to block the interaction of CD47 and SIRP. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.
Specificity	CD47
Immunogen	Rat thymocytes
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Rat
Clone	OX-101
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Size	100 tests
Preservative	0.09% Sodium Azide
Storage	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before

use.

GENE INFORMATION

Gene Name	Cd47 Cd47 molecule [Rattus norvegicus (Norway rat)]
Official Symbol	CD47
Synonyms	CD47; Cd47 molecule; Itgp; leukocyte surface antigen CD47; IAP; integrin-associated protein; CD47 antigen (Rh-related antigen, integrin-associated signal transducer);
Entrez Gene ID	29364
Protein Refseq	NP_062068
UniProt ID	P97829
Chromosome Location	11q21
Pathway	Cell surface interactions at the vascular wall; Cell-Cell communication; ECM-receptor interaction; Extracellular matrix organization; Hemostasis; Integrin cell surface interactions; Signal regulatory protein (SIRP) family interactions; Spinal Cord Injury;
Function	thrombospondin receptor activity;