



Anti-CD59 monoclonal antibody, clone YTH53.1 [R-PE] (CABT-46526RH)

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

PRODUCT INFORMATION

Product Overview	Rat anti Human CD59 antibody, clone YTH53.1 recognizes the human CD59 cell surface antigen, an 18-20kD GPI linked glycoprotein broadly expressed by human leucocytes and erythrocytes. Clone YTH53.1 has been shown to block the normal function of CD59. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul. We do not recommend using this antibody in lysed whole blood techniques due to inhibition of staining caused by CD59 expression on erythrocytes.
Specificity	CD59
Immunogen	Human Peripheral Blood T cells
Isotype	IgG2b
Source/Host	Rat
Species Reactivity	Human
Clone	YTH53.1
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	CD59 CD59 molecule, complement regulatory protein [Homo sapiens (human)]
Official Symbol	CD59
Synonyms	CD59; CD59 molecule, complement regulatory protein; 1F5; EJ16; EJ30; EL32; G344; MIN1; MIN2; MIN3; MIRL; HRF20; MACIF; MEM43; MIC11; MSK21; 16.3A5; HRF-20; MAC-IP; p18-20; CD59 glycoprotein; protectin; 1F5 antigen; MEM43 antigen; Ly-6-like protein; T cell
Entrez Gene ID	966
Protein Refseq	NP_000602
UniProt ID	P13987
Chromosome Location	11p13
Pathway	Arf6 trafficking events; Complement and coagulation cascades; Complement cascade; Hematopoietic cell lineage; Immune System; Innate Immune System; Regulation of Complement cascade;
Function	complement binding; protein binding;