



Anti-CD4 monoclonal antibody, clone 7E14 [R-PE] (CABT-45107MH)

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

PRODUCT INFORMATION

Product Overview	This product recognises the human CD4 cell surface antigen, a 55kD glycoprotein expressed by the helper-inducer subset of T lymphocytes and more weakly by monocytes. Flow Cytometry Use 10ul of the suggested working dilution to label 10 ⁶ cells or 100ul whole blood.
Specificity	CD4
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Cynomolgus monkey, Rhesus monkey
Clone	7E14
Conjugate	R-PE
Applications	FC
Procedure	Conjugated Antibodies
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid
Size	100 Tests
Preservative	0.08% Sodium Azide 0.2% Gelatin
Storage	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.
Warnings	For research purposes only

GENE INFORMATION

Gene Name	CD4 CD4 molecule [Homo sapiens (human)]
Official Symbol	CD4

Synonyms	CD4; CD4 molecule; CD4mut; T-cell surface glycoprotein CD4; CD4 receptor; CD4 antigen (p55); T-cell surface antigen T4/Leu-3;
Entrez Gene ID	920
mRNA Refseq	NM_000616
Protein Refseq	NP_000607
MIM	186940
UniProt ID	P01730
Chromosome Location	12p13.31
Pathway	Adaptive Immune System; Alpha-defensins; Antigen processing and presentation; Arf1 pathway; Binding and entry of HIV virion; C-MYB transcription factor network; CXCR4-mediated signaling events; Cell adhesion molecules (CAMs);
Function	MHC class II protein binding; coreceptor activity; enzyme binding; extracellular matrix structural constituent; glycoprotein binding; protein binding; protein homodimerization activity; protein kinase binding; receptor activity; transmembrane signaling receptor activity; zinc ion binding;