



Anti-CD8A monoclonal antibody, clone LT8 [R-PE] (CABT-45264MH)

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

PRODUCT INFORMATION

Product Overview	Mouse anti Human CD8 antibody, clone LT8 recognizes the human CD8 cell surface glycoprotein expressed by a subset of peripheral blood T cells which express cytotoxic/suppressor activity. It is also expressed weakly on NK cells. The CD8 antigen is a co-receptor for MHC Class I in conjunction with the T cell receptor, and is important in the selection process of CD8+ MHC Class I restricted T cells. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells or 100ul human whole blood
Specificity	CD8A
Immunogen	Normal human peripheral blood lymphocytes
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Chimpanzee, Cynomolgus monkey, Red-bellied Tamarin, Rhesus monkey
Clone	LT8
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	CD8A CD8a molecule [Homo sapiens (human)]
Official Symbol	CD8A
Synonyms	CD8A; CD8a molecule; CD8; MAL; p32; Leu2; T-cell surface glycoprotein CD8 alpha chain; T8 T-cell antigen; T cell co-receptor; OKT8 T-cell antigen; T-cell antigen Leu2; Leu2 T-lymphocyte antigen; CD8 antigen, alpha polypeptide (p32); T-lymphocyte different
Entrez Gene ID	925
Protein Refseq	NP_001139345
UniProt ID	P10966
Chromosome Location	2p12
Pathway	Adaptive Immune System; Antigen processing and presentation; Cell adhesion molecules (CAMs); Downstream signaling in naive CD8+ T cells; Hematopoietic cell lineage; IL12-mediated signaling events; Immune System; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell;
Function	MHC class I protein binding; coreceptor activity; protein binding; protein homodimerization activity; protein kinase binding;