



# Anti-CD8A monoclonal antibody, clone LT8 (CABT-45262MH)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	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 cells or 100ul human whole blood.
<b>Specificity</b>	CD8A
<b>Immunogen</b>	Normal human peripheral blood lymphocytes
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human, Chimpanzee, Cynomolgus monkey, Red-bellied Tamarin, Rhesus monkey
<b>Clone</b>	LT8
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-Fr; FC; IP
<b>Format</b>	Purified IgG - liquid
<b>Size</b>	100 µg
<b>Preservative</b>	See individual product datasheet
<b>Storage</b>	in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend

## GENE INFORMATION

Gene Name	<a href="#">CD8A CD8a molecule [ Homo sapiens (human) ]</a>
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	<a href="#">925</a>
Protein Refseq	<a href="#">NP_001139345</a>
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;