



# Rabbit Anti-Human CD8 Monoclonal Antibody, clone CQ7152 (CABT-Z213R)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	Synthetic peptide corresponding to CD8 $\alpha$ residues within aa135-235 of CD8 $\alpha$ was used as an immunogen.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	CQ7152
<b>Purification</b>	ProA affinity purified IgG.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P Recommended concentration: IHC-P: 1:100-1:200
<b>Molecular Weight</b>	26 kDa
<b>Cellular Localization</b>	Membrane
<b>Positive Control</b>	Tonsil
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 $\mu$ l

<b>Buffer</b>	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
<b>Preservative</b>	0.01% Sodium azide
<b>Storage</b>	Store at -20 °C. Avoid freeze/thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	<p>The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that serves as a coreceptor for TCR recognition of MHC class I-associated peptides and supports CTL activation by binding to the MHC, while making no direct contact with the peptide. CD8 is expressed on cytotoxic suppressor T cells. It is expressed as a heterodimer of CD8<math>\alpha</math> and CD8<math>\beta</math>. CD8 is expressed on approximately one-third of peripheral blood T cells (the CD4-negative cells). CD8 has also been detected at a low level on some natural killer (NK) cells. In normal human tonsil, large numbers of CD8+ lymphocytes were present within the paracortex; occasionally positive cells were also identified within germinal centers and within the investing squamous epithelium. In other tissues, only lymphoid cells and cells of histiocyte lineage showed positive staining for CD8.</p>
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<b>Keywords</b>	CD8; cluster of differentiation 8; CD8a; CD8b; CD8A; CD8B; CD8B1
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## GENE INFORMATION

<b>Gene Name</b>	CD8
<b>Entrez Gene ID</b>	<a href="#">925</a>
<b>UniProt ID</b>	<a href="#">P01732</a>