



# Anti-CD8B1 monoclonal antibody, clone YTS156.7.7 [R-PE] (CABT-51747RM)

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

## PRODUCT INFORMATION

### Product Overview

Rat anti Mouse CD8 beta antibody, clone YTS156.7.7 recognizes the murine T-cell surface glycoprotein CD8 beta chain, also known as CD8 $\beta$ , LY-3 or Lyt-3. CD8 $\beta$  is a 213 amino acid ~25kDa single pass type-1 transmembrane glycoprotein bearing a single Ig-like V-type domain (UniProt: P10300). CD8 is formed of a heterodimer between an  $\alpha$  and beta subunit linked by a pair of disulphide bonds. The epitope recognized by clone YTS156.7.7 is restricted to the CD8 $\beta$  subunit and centers on Arg $\beta$ 77 and Arg $\beta$ 78 of the D-E loop of CD8 $\beta$ . Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors.

<b>Specificity</b>	CD8B1
<b>Immunogen</b>	Mouse thymocytes.
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	YTS156.7.7
<b>Conjugate</b>	PE
<b>Applications</b>	FC
<b>Format</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid
<b>Size</b>	500 $\mu$ l
<b>Preservative</b>	0.09% Sodium Azide

<b>Storage</b>	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.
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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Cd8b1 CD8 antigen, beta chain 1 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	CD8B1
<b>Synonyms</b>	CD8B1; CD8 antigen, beta chain 1; Cd8b; Ly-3; Ly-C; Lyt-3; T-cell surface glycoprotein CD8 beta chain; lymphocyte antigen 3; T-cell membrane glycoprotein Ly-3; T-cell surface glycoprotein Lyt-3;
<b>Entrez Gene ID</b>	<a href="#">12526</a>
<b>Protein Refseq</b>	<a href="#">NP_033988</a>
<b>UniProt ID</b>	P10300
<b>Chromosome Location</b>	6 C1; 6 32.14 cM
<b>Pathway</b>	Adaptive Immune System; Antigen processing and presentation; Cell adhesion molecules (CAMs); Hematopoietic cell lineage; Immune System; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell; Primary immunodeficiency; T cell receptor signaling pathway;
<b>Function</b>	protein binding;