



# Anti-CD5 monoclonal antibody, clone YTS 121.5.2 [Biotin] (CABT-45210RM)

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

## PRODUCT INFORMATION

### Product Overview

Rat anti Mouse CD5 antibody, clone YTS 121.5.2 recognizes murine CD5 (Lyt-1) a cell surface glycoprotein expressed by T-lymphocytes. Studies suggest that CD5 plays an important role in the regulation of immune tolerance and lymphocyte selection. Rat anti Mouse CD5 antibody, clone YTS 121.5.2 is suitable for T-cell depletion in vivo. Flow Cytometry Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors.

<b>Specificity</b>	CD5
<b>Immunogen</b>	CBA mouse thymocytes.
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	YTS 121.5.2
<b>Conjugate</b>	Biotin
<b>Applications</b>	FC
<b>Format</b>	Purified IgG conjugated to Biotin - liquid
<b>Size</b>	100 µg
<b>Preservative</b>	0.09% Sodium Azide
<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

microcentrifugation before use.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Cd5 CD5 antigen [ <i>Mus musculus</i> (house mouse) ]</a>
<b>Official Symbol</b>	CD5
<b>Synonyms</b>	CD5; CD5 antigen; Ly-1; Ly-A; Ly-12; Lyt-1; T-cell surface glycoprotein CD5; lymphocyte antigen 1;
<b>Entrez Gene ID</b>	<a href="#">12507</a>
<b>Protein Refseq</b>	<a href="#">NP_031676</a>
<b>UniProt ID</b>	P13379
<b>Chromosome Location</b>	19 A; 19 7.16 cM
<b>Pathway</b>	B Cell Receptor Signaling Pathway; Hematopoietic cell lineage; T Cell Receptor Signaling Pathway; XPodNet - protein-protein interactions in the podocyte expanded by STRING;
<b>Function</b>	glycoprotein binding; protein binding; scavenger receptor activity;