



Anti-CD5 monoclonal antibody, clone YTS 121.5.2 [FITC] (CABT-45212RM)

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 106 cells in 100ul. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors.
Specificity	CD5
Immunogen	CBA mouse thymocytes.
Isotype	IgG2b
Source/Host	Rat
Species Reactivity	Mouse
Clone	YTS 121.5.2
Conjugate	FITC
Applications	FC
Format	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Size	100 µg
Preservative	0.09% Sodium Azide
Storage	in frost-free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody.

Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

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