

ARG42280
anti-CD5 antibody [L17F12] (PerCP)Package: 50 tests
Store at: 4°C

Summary

Product Description	PerCP-conjugated Mouse Monoclonal antibody [L17F12] recognizes CD5
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The mouse monoclonal antibody L17F12 reacts with an extracellular epitope of CD5, a 67kDa single-chain transmembrane glycoprotein expressed on mature T lymphocytes, most of thymocytes and B lymphocytes subset (B-1a lymphocytes).
Host	Mouse
Clonality	Monoclonal
Clone	L17F12
Isotype	IgG2a, kappa
Target Name	CD5
Species	Human
Immunogen	Human acute lymphoblastic leukemia (ALL) T cells.
Conjugation	PerCP
Alternate Names	CD antigen CD5; Lymphocyte antigen T1/Leu-1; LEU1; T-cell surface glycoprotein CD5; T1

Application Instructions

Application table	Application	Dilution
	FACS	10 µl / 100 µl of whole blood or 10 ⁶ cells
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

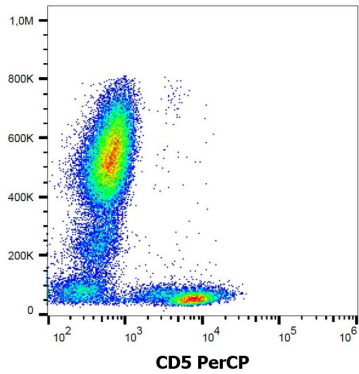
Properties

Form	Liquid
Purification	Purified
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CD5
Gene Full Name	CD5 molecule
Background	This gene encodes a member of the scavenger receptor cysteine-rich (SRCR) superfamily. Members of this family are secreted or membrane-anchored proteins mainly found in cells associated with the immune system. This protein is a type-I transmembrane glycoprotein found on the surface of thymocytes, T lymphocytes and a subset of B lymphocytes. The encoded protein contains three SRCR domains and may act as a receptor to regulate T-cell proliferation. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2016]
Function	May act as a receptor in regulating T-cell proliferation. [UniProt]
Calculated Mw	55 kDa
PTM	Phosphorylated on tyrosine residues by LYN; this creates binding sites for PTPN6/SHP-1. [UniProt]
Cellular Localization	Cell membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG42280 anti-CD5 antibody [L17F12] (PerCP) FACS image

Flow Cytometry: Human peripheral blood cells stained with ARG42280 anti-CD5 antibody [L17F12] (PerCP).