

Datasheet for ABIN356205
anti-CD5 antibody (PE)



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1 Image

Overview

Quantity:	0.1 mg
Target:	CD5
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This CD5 antibody is conjugated to PE
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro)), Functional Studies (Func)

Product Details

Clone:	4H8E6
Isotype:	IgG2a
Specificity:	This antibody is specific to CD5/Lyt-1 (Mr. 67 kDa)
Characteristics:	Synonyms: Lymphocyte antigen T1/Leu-1, LEU1, T-cell surface glycoprotein CD5

Target Details

Target:	CD5
Alternative Name:	CD5 (CD5 Products)
Background:	CD5/Lyt-1 antigen is a monomeric type I transmembrane glycoprotein expressed on thymocytes, T lymphocytes, and a subset of B lymphocytes, but not on natural killer (NK) cells. (Ref.1-3) It has been identified as the major ligand of the B-cell antigen CD72. (Ref.4,5) The

Target Details

frequency of CD5+ B cells exhibits strain-dependent variation, and the phenotypic, anatomical, functional, developmental, and pathological characteristics of the CD5+ B cells suggest that they may represent a distinct lineage, known as B-1 cells (reviewed in Ref.6). Binding of CD5 on the T cell surface can augment alloantigen- or mitogen-induced lymphocyte proliferation and induces increased cytosolic free calcium, IL-2 secretion, and IL-2R expression. (Ref.7-12) It has been proposed that CD5 negatively regulates signal transduction mediated by the T-cell and B-cell receptors. (Ref.13,14)Synonyms: CD5, LEU1, Lymphocyte antigen T1/Leu-1, T-cell surface glycoprotein CD5

Gene ID: 12507

UniProt: [P13379](#)

Application Details

Application Notes: Flow Cytometry: Identification and enumeration of CD5+ cells ($< / = 0.2 \mu\text{g}/10^6$ cells). (Ref.15)Immunoprecipitation. (Ref.15)Immunohistochemistry on Frozen Sections. (Ref.15)T Cell Activation. (Ref.15)Western blotting. (Ref.15)
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 0.1 mg/mL

Buffer: PBS containing 0.09 % Sodium Azide as preservative and a stabilizing agent.

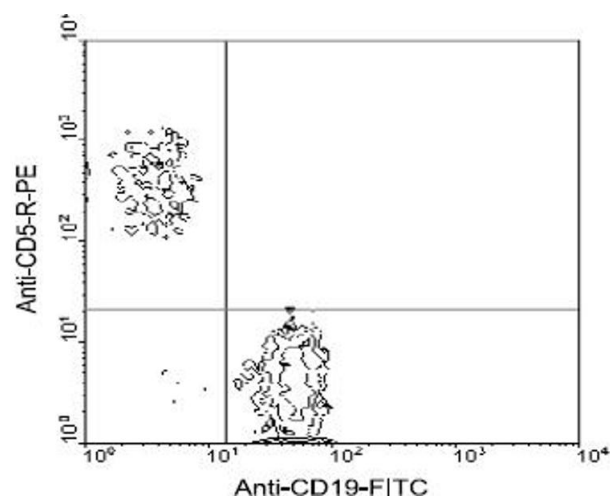
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Expiry Date: 12 months



Flow Cytometry

Image 1.