

Anti-CD5 Reference Antibody (Magenta patent anti-CD5)

Recombinant Antibody
Catalog # APR10810

Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	P06127
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Calculated MW	54578

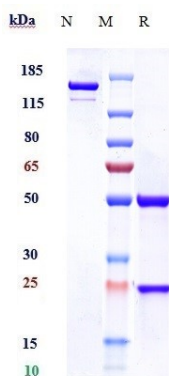
Additional Information

Target/Specificity	CD5
Endotoxin Conjugation	Unconjugated
Expression system	CHO Cell
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

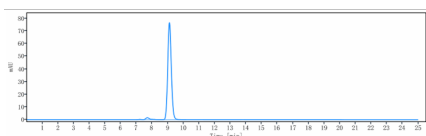
Protein Information

Name	CD5
Synonyms	LEU1
Function	Lymphoid-specific receptor expressed by all T-cells and in a subset of B-cells known as B1a cells. Plays a role in the regulation of TCR and BCR signaling, thymocyte selection, T-cell effector differentiation and immune tolerance. Acts by interacting with several ligands expressed on B-cells such as CD5L or CD72 and thereby plays an important role in contact-mediated, T-dependent B-cell activation and in the maintenance of regulatory T and B-cell homeostasis. Functions as a negative regulator of TCR signaling during thymocyte development by associating with several signaling proteins including LCK, CD3Z chain, PI3K or CBL (PubMed: 1384049 , PubMed: 1385158). Mechanistically, co- engagement of CD3 with CD5 enhances phosphorylated CBL recruitment leading to increased VAV1 phosphorylation and degradation (PubMed: 23376399). Modulates B-cell biology through ERK1/2 activation in a Ca(2+)-dependent pathway via the non-selective Ca(2+) channel TRPC1, leading to IL-10 production (PubMed: 27499044).
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:P13379}; Single-pass type I membrane protein {ECO:0000250 UniProtKB:P13379}

Images



Anti-CD5 Reference Antibody (Magenta patent anti-CD5) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-CD5 Reference Antibody (Magenta patent anti-CD5) is more than 95% ,determined by SEC-HPLC.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.