

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

Recombinant Antibody  
Catalog # APR10810

## Product Information

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Application	FC, Kinetics, Animal Model
Primary Accession	<a href="#">P06127</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Calculated MW	54578

## Additional Information

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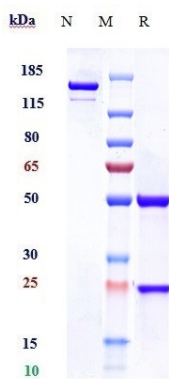
Target/Specificity	CD5
Endotoxin Conjugation	Unconjugated
Expression system	CHO Cell
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

## Protein Information

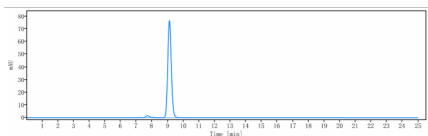
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Name	CD5
Synonyms	LEU1
Function	Lymphoid-specific receptor expressed by all T-cells and in a subset of B-cells known as B1a cells. Plays a role in the regulation of TCR and BCR signaling, thymocyte selection, T-cell effector differentiation and immune 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: <a href="#">1384049</a> , PubMed: <a href="#">1385158</a> ). Mechanistically, co- engagement of CD3 with CD5 enhances phosphorylated CBL recruitment leading to increased VAV1 phosphorylation and degradation (PubMed: <a href="#">23376399</a> ). 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: <a href="#">27499044</a> ).
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'.