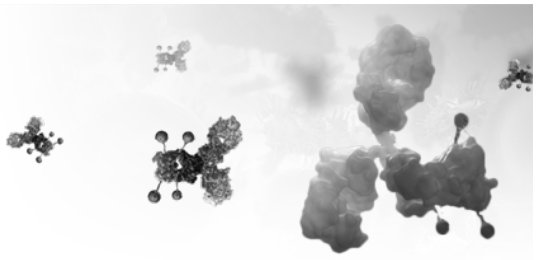

Rabbit Anti-Mouse CD5 monoclonal antibody, clone S212 (CABT-ZB482)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Mouse CD5
Target	CD5
Immunogen	Recombinant Mouse CD5/Cluster of Differentiation 5 Protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse
Clone	S212
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) This antibody will detect CD5 in antibody pair set. [ABPR-ZB057]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse CD5 / Cluster of Differentiation 5.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL
Buffer	PBS

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Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD5 is a member of the CD system. CD5 was found to be widely distributed in T-cells and B1 cells which is a subset of IgM-secreting B cells. CD5 also was found expressed in small lymphocytic lymphoma, hairy cell leukaemia and mantle cell lymphoma cells. CD5 serves to weaken the activating stimulus from the BCR so that the B1 cells can only reflect to the very strong stimuli but not the normal tissue proteins.
Keywords	CD5; CD5 molecule; T-cell surface glycoprotein CD5; CD5 antigen (p56-62)

GENE INFORMATION

Synonyms	CD5; CD5 molecule; T-cell surface glycoprotein CD5; CD5 antigen (p56-62); CD74 antigen, invariant polypeptide of major
Entrez Gene ID	12507
UniProt ID	P13379

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