Data Sheet (Cat.No.TMAY-03275C)

TargetMol

Anti-CD5 Antibody-PerCP (9M260)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse
Conjugation:	PerCP
Clone:	9M260
Purification:	Protein A

Applications

Verified Activity:	Flow cytometric analysis of mouse CD5 expression on splenocytes.
Application:	FCM
Recommended	5 μl/Test, 0.1 mg/ml

Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Mouse CD5 protein (TMPY-01334)
Antigen Species:	Mouse
Synonyms:	LEU1;CD5 molecule;T1
Biology Area:	ITIM/ITAM Immunoreceptors and Related Molecules

Research Background

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.

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