Data Sheet (Cat.No.TMAY-02078A)

TargetMol

Anti-CD300C Antibody-APC (3Y681)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	APC
Clone:	3Y681
Purification:	Protein A

Applications

Verified Activity:	Flow cytometric analysis of anti-human CD300c on human whole blood monocytes. The fluorescence histograms were derived from events with the forward and side light-scatter characteristics of viable monocytes.
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: Human CD300C protein (TMPY-01828)
Antigen Species:	Human
Synonyms:	CMRF-35;CMRF35A;CMRF35A1;CMRF35-A1;LIR;CD300c molecule;CMRF35;IGSF16;CMRF-35A;CLM-6
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 which 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. CD300 is a glycoprotein family of cell surface molecules that regulate a diverse array of cellular processes via their triggering and inhibitory receptor functions. The CD300 family of myeloid immunoglobulin receptors includes activating(CD300b, CD300e) and inhibitory members(CD300a, CD300f), as well as CD300c and CD300d, whose function is uncertain.

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