Data Sheet (Cat.No.TMAY-03409F)

TargetMol

Anti-CD83 Antibody-FITC (4E53)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse
Conjugation:	FITC
Clone:	4E53
Purification:	Protein A

Applications

Verified Activity:	Flow cytometric analysis of Mouse CD83 expression on LPS-stimulated BABL/c splenocytes. Cells were stained with FITC-conjugated anti-Mouse CD83. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.
Application:	FCM
Recommended	10 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.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Mouse CD83 / HB15 Protein (TMPY-02156)
Antigen Species:	Mouse
Synonyms:	CD83 molecule

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. CD83 is considered as a marker of mature dendritic cells as well as an adhesion receptor that binds to resting monocytes and a subset of activated CD8+T cells. In certain conditions, CD83 tended to dimerize or even multimerize through its aberrant intermolecular disulfide bonds. The injection of CD83-Ig can significantly enhance the rate of tumor growth and inhibit the T cell growth.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481