Data Sheet (Cat.No.TMAY-03063P)

TargetMol

Anti-LIMPII/SR-B2 Antibody-PE (7J773)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse
Conjugation:	PE
Clone:	7J773
Purification:	Protein A

Applications

Verified Activity:	Flow cytometric analysis of Mouse SCARB2 expression in spleen lymphocytes. The cells were treated according to manufacturer's manual (BD Pharmingen™ Cat. No. 554714), and then stained with PE Rabbit anti-Mouse SCARB2. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.
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 LIMP-2 / SCARB2 / CD36L2 protein (TMPY-01434)
Antigen Species:	Mouse
Synonyms:	SR-BII;HLGP85;LIMP-2;CD36L2;EPM4;AMRF;LGP85;LIMPII;scavenger receptor class B, member 2

Research Background

Lysosomal Integral Membrane Protein II (LIMPII), also known as SCARB2, LPG85, and CD36L2, is a type I II multi-pass membrane glycoprotein that is located primarily in limiting membranes of lysosomes and endosomes on all tissues and cell types so far examined. This protein may participate in membrane transportation and the reorganization of endosomal/lysosomal compartment. LIMPII is identified as a receptor for EV71 (human enterovirus species A, Enterovirus 71) and CVA16 (coxsackievirus A16) which are most frequently associated with hand, foot and mouth disease (HFMD). Expression of human LIMPII enables normally unsusceptible cell lines to support the viruses' propagation and develop cytopathic effects. In addition, LIMPII also has been shown to bind thrombospondin-1, and may contribute to the pro-adhesive changes of activated platelets during coagulation, and inflammation. Deficiency of the protein in mice impairs cell membrane transport processes and causes pelvic junction obstruction, deafness, and peripheral neuropathy.

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