Data Sheet (Cat.No.TMAB-07416)

TargetMol

Anti-Human CD63 Antibody (1Y320)

Product Details

Ig Type:	Mouse IgG1, k
Reactivity:	Human
Molecular Weight:	Theoretical: 26 kDa. Actual: 30-50 kDa.
Clone:	1Y320
Purification:	Protein G purified

Applications

Verified Activity:	1. 4% Paraformaldehyde-fixed A375 (H) cell; Triton X-100 at r. T. for 20 min; Antibody incubation with (human CD63) monoclonal Antibody, unconjugated (TMAB-07416) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Mouse IgG antibody (green) at 37°C for 90 min, DAPI (blue) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control. 2. The A375 (H) cells were fixed with 4% PFA (10 min at r. T.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r. T.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Mouse Anti-Human CD63 antibody (TMAB-07416): 1 µg/10^6 cells; Isotype Control (orange): Mouse IgG. Blank control (black): PBS. Acquisition of 20,000 events was performed.
Application:	FCM,ICC/IF
Recommended	FCM: 1µg/Test; ICC/IF: 1:50-200

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Gene ID:	967

Research Background

The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. The encoded protein is a cell surface glycoprotein that is known to complex with integrins. It may function as a blood platelet activation marker. Deficiency of this protein is associated with Hermansky-Pudlak syndrome. Also this gene has been associated with tumor progression. Alternative splicing results in multiple transcript variants encoding different protein isoforms. [provided by RefSeq, Apr 2012]

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