

Anti-human CD38 Antibody (2D610)

Product Details

Ig Type:	Mouse IgG1, k
Reactivity:	Human
Molecular Weight:	Theoretical: 34 kDa. Actual: 45 kDa.
Clone:	2D610
Purification:	Protein G purified

Applications

Blank control (black line): Ramos.
Primary Antibody (green line): Mouse Anti-human CD38 antibody (TMAB-07406)
Dilution: 1 µg/Test;
Secondary Antibody (white blue line): Goat anti-mouse IgG-FITC
Dilution: 0.5 µg/Test.

Verified Activity: Isotype control (orange line): Normal Mouse IgG
Protocol

The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

Application: FCM

Recommended FCM: 1µg/Test

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

Immunogen: KLH conjugated synthetic peptide: human CD38

Antigen Species: Human

Gene ID: 952

Uniprot ID: P28907

Research Background

The protein encoded by this gene is a non-lineage-restricted, type II transmembrane glycoprotein that synthesizes and hydrolyzes cyclic adenosine 5'-diphosphate-ribose, an intracellular calcium ion mobilizing messenger. The release of soluble protein and the ability of membrane-bound protein to become internalized indicate both extracellular and intracellular functions for the protein. This protein has an N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N-glycosylation sites. Crystal structure analysis demonstrates that the functional molecule is a dimer, with the central portion containing the catalytic site. It is used as a prognostic marker for patients with chronic lymphocytic leukemia. Alternative splicing results in multiple

transcript variants. [provided by RefSeq, Sep 2015]

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