

12-9370B: Biotinylated Anti-CD56 antibody(DM202); Rabbit mAb

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| Clonality : | Monoclonal |
| Clone Name : | DM202 |
| Application : | ELISA; Flow Cyt |
| Reactivity : | Human |
| Gene : | CD56 |
| Uniprot ID : | P13591 |
| Alternative Name : | NCAM1; CD56; MSK39; NCAM |
| Isotype : | IgG |

Description

This gene encodes a cell adhesion protein which is a member of the immunoglobulin superfamily. The encoded protein is involved in cell-to-cell interactions as well as cell-matrix interactions during development and differentiation. The encoded protein plays a role in the development of the nervous system by regulating neurogenesis; neurite outgrowth; and cell migration. This protein is also involved in the expansion of T lymphocytes; B lymphocytes and natural killer (NK) cells which play an important role in immune surveillance. This protein plays a role in signal transduction by interacting with fibroblast growth factor receptors; N-cadherin and other components of the extracellular matrix and by triggering signalling cascades involving FYN-focal adhesion kinase (FAK); mitogen-activated protein kinase (MAPK); and phosphatidylinositol 3-kinase (PI3K). One prominent isoform of this gene; cell surface molecule CD56; plays a role in several myeloproliferative disorders such as acute myeloid leukemia and differential expression of this gene is associated with differential disease progression. For example; increased expression of CD56 is correlated with lower survival in acute myeloid leukemia patients whereas increased severity of COVID-19 is correlated with decreased abundance of CD56-expressing NK cells in peripheral blood. Alternative splicing results in multiple transcript variants encoding distinct protein isoforms.

Product Info

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| Amount : | 10 µg / 100 µg |
| Purification : | Purified from cell culture supernatant by affinity chromatography |
| Content : | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| Storage condition : | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |

Application Note

ELISA 1:5000-10000; Flow Cyt 1:100