

CD18 monoclonal antibody

Catalog: MB65759

Host: Mouse

Reactivity: Human

BackGround:

Lymphotoxin β receptor (LT β R), also known as tumor necrosis factor receptor superfamily member 3 (TNFRSF3) and tumor necrosis factor receptor type III (TNF-RIII), is a type I membrane receptor expressed by stromal cells, including endothelial, mesenchymal, and epithelial cells, and by myeloid cells, such as dendritic cells and macrophages. When lymphotoxin α (LT α) is co-expressed with lymphotoxin β (LT β) that possesses a transmembrane domain, it forms a cell surface-bound heterotrimer (LT α 1 β 2) that exclusively binds to LT β R. The LT α 1 β 2/LT β R pathway is required for the normal development of lymph nodes and Peyer's patches. Disruption of the LT α 1 β 2/LT β R pathway results in impaired protection from viral and bacterial infections. LT β R is also a receptor for LIGHT/TNFSF14. LT β R signaling through LIGHT/TNFSF14 regulates self-renewal and differentiation of hematopoietic and leukemic stem cells. In cancer cells, LT β R signaling via TRAF molecules promotes apoptosis. Agonistic antibodies to LT β R trigger cancer cell death and suppress tumor growth in vivo.

Product:

Mouse IgG1. Liquid in PBS, pH 7.3, and 0.02% sodium azide.

Molecular Weight:

~ 84 kDa

Swiss-Prot:

P05107

Purification&Purity:

The monoclonal antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

IF (1/50 - 1/200)

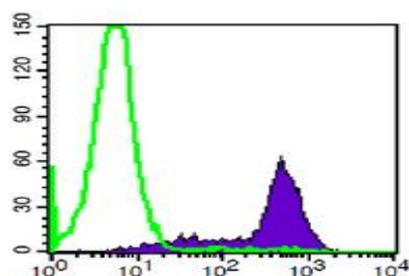
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes human CD18

DATA:



Flow cytometric analysis of human peripheral blood lymphocytes using Anti-CD18 Antibody, followed by anti-mouse IgG PE.

Note:

For research use only, not for use in diagnostic procedure.

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