CD21 monoclonal antibody

Catalog: MB65763	Host: Mouse	Reactivity: Human

BackGround:

Complement receptor type 2 (CD21/CR2) is a type 1 transmembrane glycoprotein whose expression is largely restricted to B lymphocytes and follicular dendritic cells. Research studies have shown that CD21/CR2 functions to bind the complement fragments iC3b, C3dg, and C3d, which function to activate the alternative complement pathway and MAC formation. In addition to its function as a complement receptor, CD21/CR2 also functions as the B lymphocyte receptor for Epstein-Barr virus and interferon alpha. Research studies have also shown that CD21/CR2 participates in B cell activation, proliferation, and protection from apoptosis through its association with components of the B cell coreceptor signaling complex such as CD19 and CD21.

Product:

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

Molecular Weight:

~ 112 kDa

Swiss-Prot:

P20023

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).
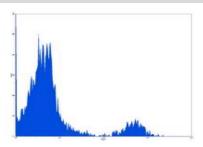
Applications:

IF (1/50 - 1/200)

Storage&Stability:

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

Specificity:

Recognizes human CD21

DATA:

Flow cytometric analysis of human peripheral blood lymphocytes using Anti-CD21 Antibody, followed by anti-mouse IgG PE.

Note:

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