

CD21 monoclonal antibody

Catalog: MB65989

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 containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.

Molecular Weight:

~ 112 kDa

Swiss-Prot:

P20023

Purification&Purity:

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

Applications:

IHC (1/100 - 1/300)

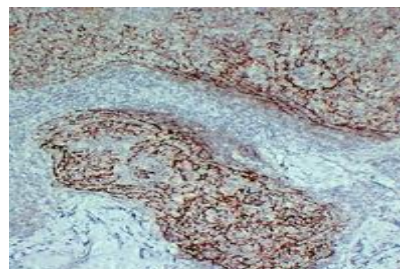
Storage&Stability:

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

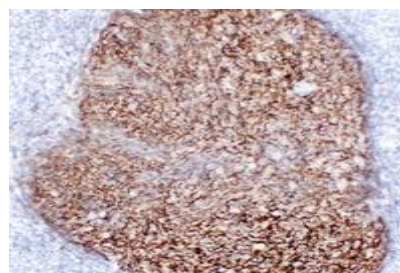
Specificity:

Recognizes endogenous levels of CD21 protein.

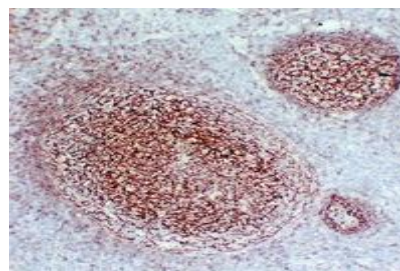
DATA:



Immunohistochemical analysis of CD21 staining in human follicular lymphoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunohistochemical analysis of CD21 staining in human lymphoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunohistochemical analysis of CD21 staining in human tonsil formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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PRODUCT DATA SHEET

Bioworld Technology, Inc.

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Note:

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

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