

CD21 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50010

Clone# BP6015

Predicted Molecular Wt: 113kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P20023

Background:

CD21 also known as complement C3d receptor, Epstein-Barr virus receptor, and complement receptor type 2 (CR2), is a protein that in humans is encoded by the CR2 gene. This protein is involved in the complement system. It binds to iC3b (inactive derivative of C3b), C3dg, or C3d. B cells have CR2 receptors on their surfaces, allowing the complement system to play a role in B-cell activation and maturation.

It is expressed by follicular dendritic cells (FDC) and mature B cells, as well as by several types of epithelial cells.

CD21 is useful in the identification of follicular dendritic cell matrix found in normal lymph node and tonsillar tissue, and also useful in identifying abnormal follicular dendritic cell pattern in angioimmunoblastic T-cell lymphoma and follicular T-cell lymphoma.

Subcellular location:

Membrane

Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide corresponding to CD21 residues within aa933-C terminal of CD21 was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

-20°C

Storage instructions:

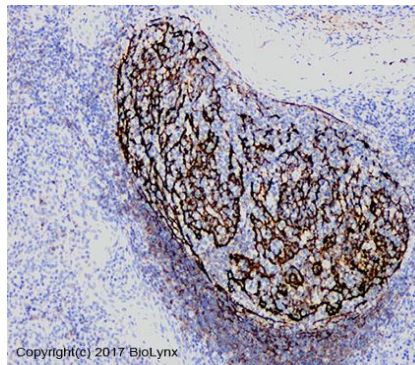
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200

Background References:

1. Barel M, et al. Mol Immunol. 1995 Apr;32(6):389-97.
2. Tanner J, et al. J Virol. 1988 Dec;62(12):4452-64.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue labelling CD21 with BP6015. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Product QC'd by:



For research use only. Not for use in diagnostic or therapeutic applications.