

For Research Use Only

# CD21 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87097-5-PBS



## Basic Information

<b>Catalog Number:</b> 87097-5-PBS	<b>GenBank Accession Number:</b> NM_001877.5	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 1380	<b>CloneNo.:</b> 252181G11
<b>Isotype:</b> IgG	<b>ENSEMBL Gene ID:</b> ENSG00000117322	
<b>Immunogen Catalog Number:</b> EG2980	<b>UNIPROT ID:</b> P20023-1	
	<b>Full Name:</b> complement component (3d/Epstein Barr virus) receptor 2	
	<b>Calculated MW:</b> 113 kDa	

## Applications

**Tested Applications:**  
IHC, Indirect ELISA

**Species Specificity:**  
human

## Background Information

CD21, also known as complement receptor type 2 (CR2), complement C3d receptor, and Epstein-Barr virus receptor, is a transmembrane protein that contains a small cytoplasmic domain, a transmembrane region and an extracellular domain consisting of 15 tandem short consensus repeat sequences (PMID: 6230668; 2551147). It is expressed on B cells, follicular dendritic cells, thymocytes and a subset of peripheral T cells (PMID: 26119182). CD21 binds complement fragments C3d, C3dg and iC3b and acts as a receptor for the Epstein-Barr virus (PMID: 7753047). On B cells, together with CD19 and CD81, CD21 forms a complex that functions as a co-receptor to the BCR (PMID: 7542009). It is involved in B cells activation and functions.

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

For technical support and original validation data for this product please contact:

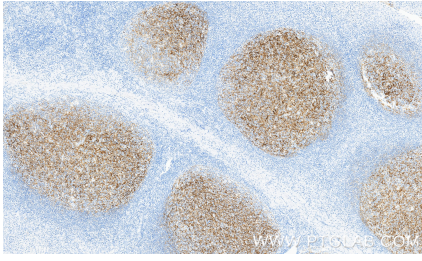
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

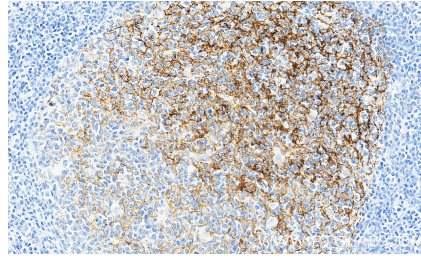
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 87097-5-RR (CR2 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 87097-5-PBS in a different storage buffer formulation.



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