

CD21 Rabbit mAb

Catalog No: #48977

Package Size: #48977-1 50ul #48977-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

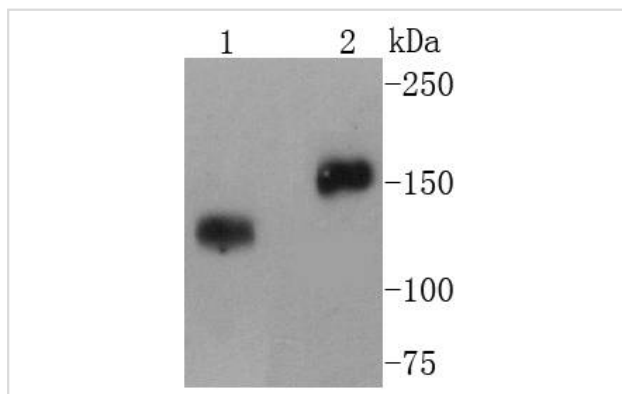
Description

Product Name	CD21 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SC0681
Purification	ProA affinity purified
Applications	WB, ICC, IHC, IP, FC
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Other Names	C3DR antibody CD 21 antibody CD21 antibody Complement C3d receptor antibody Complement component (3d/Epstein Barr virus) receptor 2 antibody Complement receptor type 2 antibody CR antibody Cr2 antibody CR2_HUMAN antibody CVID7 antibody EBV receptor antibody EBV-R antibody Epstein Barr virus receptor antibody Epstein-Barr virus receptor antibody EVBR antibody SLEB9 antibody
Accession No.	Swiss-Prot#:P20023
Uniprot	P20023
GeneID	1380;
Calculated MW	130-155 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

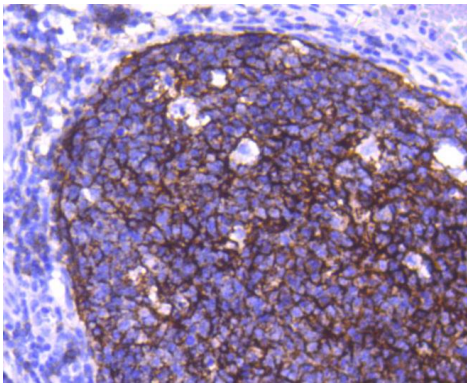
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

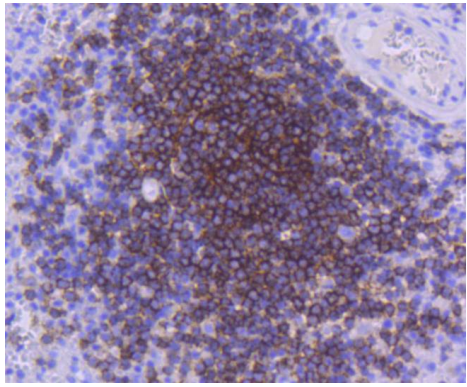
Images



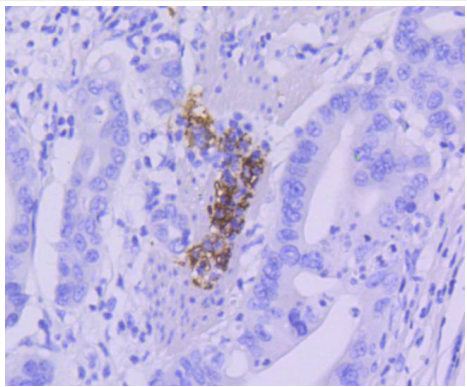
Western blot analysis of CD21 on different lysates using anti-CD21 antibody at 1/1,000 dilution. Positive control: Lane 1: Daudi Lane 2: Raji



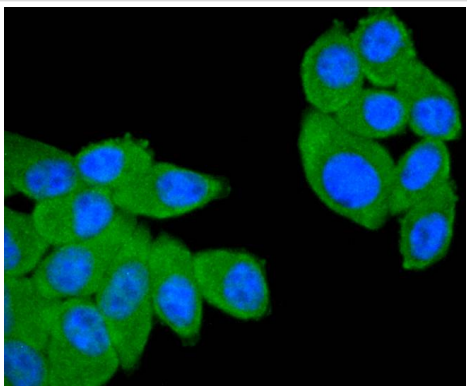
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD21 antibody. Counter stained with hematoxylin.



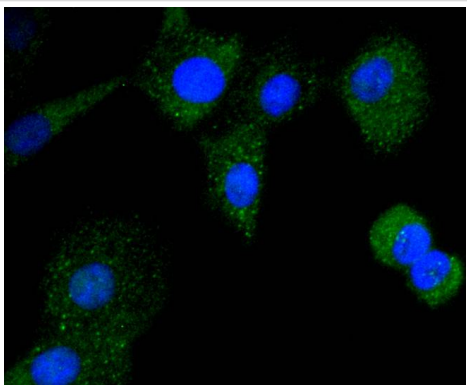
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-CD21 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human gastric cancer tissue using anti-CD21 antibody. Counter stained with hematoxylin.



ICC staining CD21 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining CD21 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

CD21 is a type I integral membrane glycoprotein that serves as a receptor for the C3d complement fragment and for the Epstein-Barr virus. It plays a role in B cell activation and proliferation and undergoes phosphorylation after B cell activation with phorbol esters. CD21 is expressed on mature B cells, follicular dendritic cells, pharyngeal and cervical epithelial cells and a subset of thymocytes. The adaptive immune response is tightly regulated to limit responding cells in an antigen-specific manner. On B cells, co-receptors CD21/CD19 modulate the strength of B cell Ag receptor (BCR) signals, thereby influencing cell fate. Complement receptor (CR) type 2 (CR2/ CD21) is normally expressed during the immature and mature stages of B cell development. In association with CD19, CR21 plays an important role in enhancing mature B cell responses to foreign antigens.

References

Note: This product is for in vitro research use only