

Rabbit CD21 Polyclonal Antibody | anti-CD21 antibody

Anti-CD21 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA27778	Rabbit	Human, Cynomolgus(Species predicted to react based on 100% sequence homology)	Western Blot, ELISA, Immunoprecipitation, Immunohistochemistry

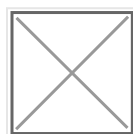
PRODUCT SYNONYMS

CD21; Polyclonal Antibody; Anti-CD21 Antibody; Rabbit Polyclonal; complement component (3d/Epstein Barr virus) receptor 2; Anti-C3DR Antibody; Anti-CR Antibody; Anti-CVID7 Antibody; Anti-SLEB9 Antibody; anti-CD21 antibody

PRODUCT SPECIFICATIONS

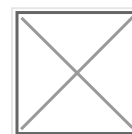
Host	Rabbit
Reactivity	Human, Cynomolgus (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CD21 antibody	WB (Western Blot), ELISA, IP (Immunoprecipitation), IHC (Immunohistochemistry)
Application Notes	WB: 1:500-1:2000 ELISA: 1:5000-1:10000 IHC-P: 1:500-1:2000 IP: 0.5-2uL/mg of lysate
Immunogen	Recombinant Human CD21 Protein
Preparation	Produced in rabbits immunized with purified, recombinant Human CD21 (rh CD21). CD21 specific IgG was purified by Human CD21 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry-Paraffin)

Immunochemical staining CD21 in cynomolgus lymph node with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry-Paraffin)

Immunochemical staining CD21 in cynomolgus spleen with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



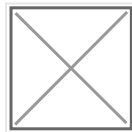
IP (Immunoprecipitation)

CD21 was immunoprecipitated using: Lane A: 0.5 mg Daudi Whole Cell Lysate 4 µL anti-CD21 rabbit polyclonal antibody and 60 µg of Immunomagnetic beads Protein A/G. Primary antibody: Anti-CD21 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 113 kDa. Observed band size: 155 kDa.



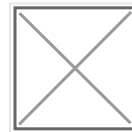
IHC (Immunohistochemistry-Paraffin)

Immunochemical staining CD21 in human lymph node with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry-Paraffin)

Immunochemical staining CD21 in human tonsil with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-CD21 rabbit polyclonal antibody at 1:500 dilution. Lane A: Raji Whole Cell Lysate. Lysates/proteins at 30 µg per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 113 kDa. Observed band size: 160 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CD21 antibody

The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD21, also known as Complement component (3d/Epstein Barr virus) receptor 2 and CR2, is a member of the CD system and is a protein involved in complement system. CD21 is present on all mature B-cells and some T-cells and follicular dendritic cells. CD21 on mature B-cells form a complex called the B cell receptor complex with two other membrane proteins, CD19 and CD81. CD21 has a function in the complement system through serving as the cellular receptor specific for ligands such as C3 and C4 which can be attached to foreign macromolecules in order to remove or uptake them. This results in B-cells having enhanced response to the antigen.

References

Zola H, et al. (2007) CD molecules 2006-human cell differentiation molecules. J Immunol Methods. 318 (1-2): 1-5. Ho IC, et al. (2009) GATA3 and the T-cell lineage: essential functions before and after T-helper-2-cell differentiation. Nat Rev Immunol. 9 (2): 125-35. Matesanz-Isabel J, et al. (2011) New B-cell CD molecules. Immunology Letters. 134 (2): 104-12. Joseph M, et al. (1989) Structure and Function of the Complement Receptors, CR1 (CD35) and CR2 (CD21). Advanced in immunology. 46: 183-219. Aubry JP, et al. (1992) CD21 is a ligand for CD23 and regulates IgE production. Nature 358: 505-7.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd21-antibody-western-blot-immunoprecipitation-immunohistochemistry-elisa/27778>