

Anti-CD21 Antibody (7G991)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human, Cynomolgus, Ferret
Conjugation:	Unconjugated
Clone:	7G991
Purification:	Protein A

Applications

Verified Activity:	1. Immunochemical staining CD21 in human tonsil with mouse monoclonal antibody at 1:60 dilution, formalin-fixed paraffin embedded sections.
	2. Immunochemical staining CD21 in human appendix with mouse monoclonal antibody at 1:60 dilution, formalin-fixed paraffin embedded sections.
	3. Immunochemical staining CD21 in cynomolgus spleen with mouse monoclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.
	4. Immunochemical staining CD21 in cynomolgus lymph node with mouse monoclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.
	5. Immunochemical staining CD21 in Ferret spleen with mouse monoclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.
Application:	IHC-P
Recommended	IHC-P: 1:30-1:1000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human CD21 Protein
Antigen Species:	Human
Synonyms:	C3DRSLEB9;C3DR;CR2;CVID7;CD21;EBV receptor;SLEB9
Biology Area:	Serine Proteases and Regulators

Research Background

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

A DRUG SCREENING EXPERT

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481