



Product Datasheet  
**Human CD21 Monoclonal Antibody  
(AGEL0201)**  
Catalogue Code: AGEL0201

## Antibody Data

<b>Product SKU:</b>	AGEL0201	<b>Clone</b>	BU32
<b>Applications:</b>	FC,IHC	<b>Conjugate</b>	Unconjugated
<b>Reactivity:</b>	Human		

## Immunogen Information:

**Gene ID:** 1380

**Swiss Prot:** P20023

**Synonyms:** Complement receptor type 2, CR2, Cr2, Complement C3d receptor, Epstein-Barr virus receptor, EBV receptor, CD21

## Product Information:

**Host Species:** Mouse

**Isotype:** Mouse IgG1

**Storage:** PBS with 0.05% Proclin300

**Recommended Dilution:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 1.0 \mu\text{g}$  per  $10^6$  cells in 100  $\mu\text{l}$  volume or 100  $\mu\text{l}$  of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

## Background:

CD21 is a 145 kD transmembrane protein also known as complement C3d receptor (C3dR), complement receptor 2 (CR2), and Epstein-Barr virus receptor. CD21 is expressed on B cells, follicular dendritic cells, subsets of normal thymocytes and T cells, and some epithelial cells. CD21 is the receptor used by Epstein-Barr virus to infect B cells and is also the complement receptor for C3d. CD21 has also been shown to interact with a number of proteins, including CD23, CD19, annexin VI, CD81, iC3b, complement receptor 1 (CR1, CD35), and interferon-alpha 1 (IFN- $\alpha$ 1).

## Images:

