

# CD21 Rabbit mAb

Catalog # AP77518

## Product Information

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<b>Application</b>	WB, IHC-P, FC, IP, ICC
<b>Primary Accession</b>	<a href="#">P20023</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Calculated MW</b>	112916

## Additional Information

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<b>Gene ID</b>	1380
<b>Other Names</b>	CR2
<b>Dilution</b>	WB~~1/500-1/1000 IHC-P~~N/A FC~~1:10~50 IP~~N/A ICC~~N/A
<b>Format</b>	Liquid

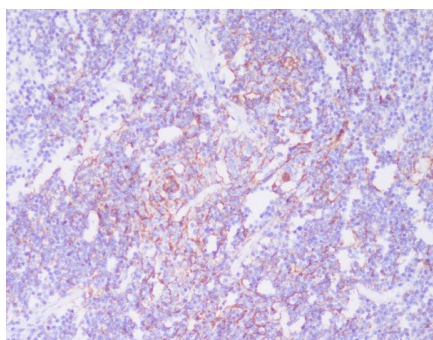
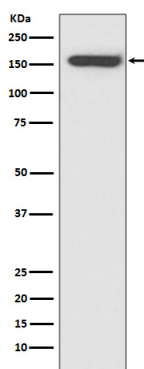
## Protein Information

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<b>Name</b>	CR2
<b>Synonyms</b>	C3DR
<b>Function</b>	<p>Serves as a receptor for various ligands including complement component CD3d, HNRNPU OR IFNA1 (PubMed:<a href="#">1849076</a>, PubMed:<a href="#">21527715</a>, PubMed:<a href="#">7753047</a>). When C3d is bound to antigens, attaches to C3d on B- cell surface and thereby facilitates the recognition and uptake of antigens by B-cells (PubMed:<a href="#">21527715</a>). This interaction enhances B-cell activation and subsequent immune responses. Forms a complex with several partners on the surface of B-cells including CD19, FCRL5 and CD81, to form the B-cell coreceptor complex that plays a crucial role in B-cell activation and signaling (PubMed:<a href="#">1383329</a>, PubMed:<a href="#">30107486</a>). Also induces specific intracellular signaling separately from the BCR and CD19 by activating the tyrosine kinase SRC, which then phosphorylates nucleolin/NCL and triggers AKT and GSK3 kinase activities in a SYK/CD19-independent manner (PubMed:<a href="#">12938232</a>). Acts as a ligand for CD23 (FcepsilonRII), a low-affinity receptor for IgE, which is expressed on B-cells and other immune cells, and thus participates in the regulation of IgE production (PubMed:<a href="#">1386409</a>).</p>
<b>Cellular Location</b>	Cell membrane; Single-pass type I membrane protein
<b>Tissue Location</b>	Mature B-lymphocytes, T-lymphocytes, pharyngeal epithelial cells, astrocytes and follicular dendritic cells of the spleen

## Images

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