

Datasheet for ABIN6939181

## Recombinant anti-CD21 antibody (AA 44-196)

### 3 Images



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#### Overview

Quantity:	100 µg
Target:	CD21 (CR2)
Binding Specificity:	AA 44-196
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This CD21 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

#### Product Details

Immunogen:	Recombinant fragment (around aa 44-196) of human CR2 (CD21) protein (exact sequence is proprietary)
Clone:	RCR2-1952
Isotype:	IgG1 kappa
Specificity:	Recognizes a protein of 140 kDa, which is identified as the complement receptor 2(CR2)/CD21. This protein is expressed strongly on mature B cells, follicular dendritic cells and weakly on immature thymocytes and T lymphocytes. In B-cell ontogeny, CD21 appears after the pre-B-stage, is maintained during peripheral B-cell development and is lost upon terminal differentiation into plasma cells. CD21 expression is also gradually lost after stimulation of B cells in vitro. CD21 functions as receptor for C3d, C3dg and iC3b Complement components, for

## Product Details

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EBV and for IFN $\alpha$ .CD21 binds to CD23 and associates with CD19, CD81 and Leu13 to form a large signal-transduction complex involved in B cell activation.

Purification: Purified by Protein A/G

## Target Details

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Target: CD21 (CR2)

Alternative Name: CR2 ([CR2 Products](#))

Molecular Weight: 140kDa

Gene ID: 1380

UniProt: [P20023](#)

Pathways: [Complement System](#)

## Application Details

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Application Notes: Positive Control: WEHI-231 cells. Human tonsil (IHC).  
Known Application: Immunohistochemistry (Formalin-fixed) (1-2  $\mu$ g/mL for 30 min at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

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Concentration: 200  $\mu$ g/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

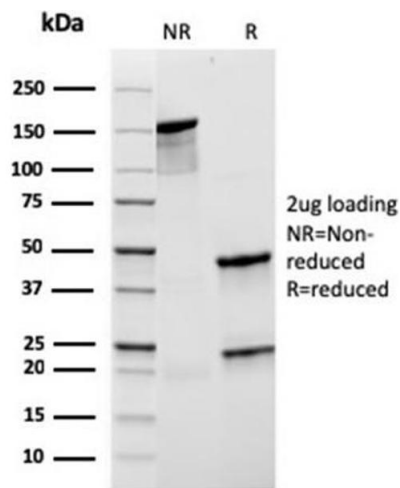
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

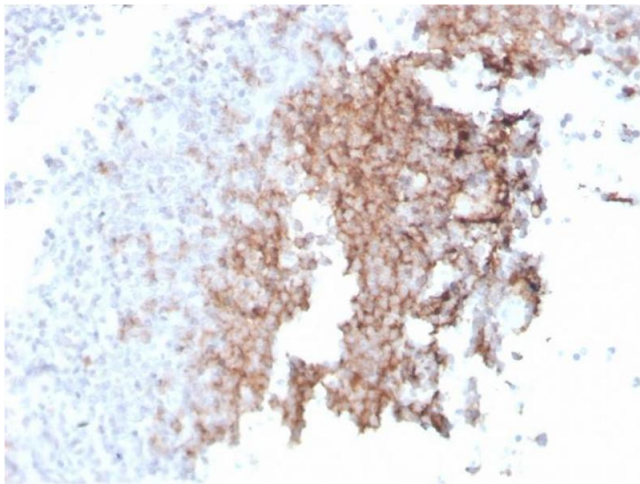
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



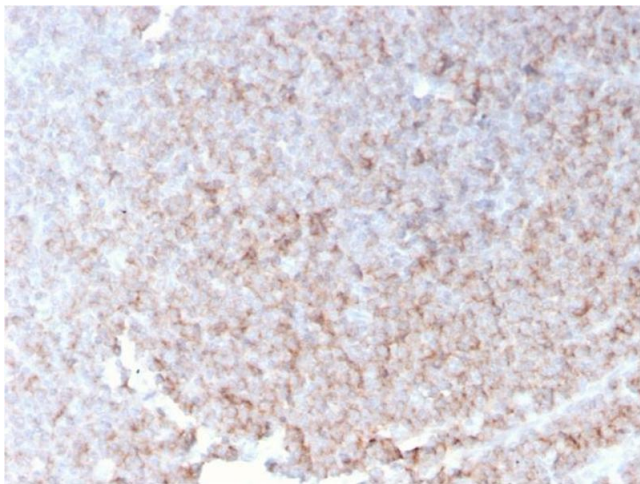
### SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified CD21 Recombinant Mouse Monoclonal Antibody (rCR2/1952). Confirmation of Integrity and Purity of Antibody.



### Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human spleen stained with CD21 Recombinant Mouse Monoclonal Antibody (rCR2/1952).



### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human spleen stained with CD21 Recombinant Mouse Monoclonal Antibody (rCR2/1952).