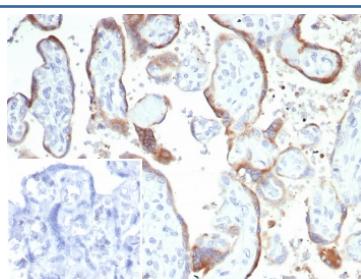


## Recombinant CD21 Antibody [clone rCR2/6964] (V4773)

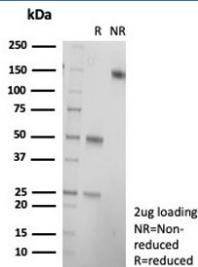
Catalog No.	Formulation	Size
V4773-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4773-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4773SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	rCR2/6964
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P20023
<b>Localization</b>	Cell surface
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This recombinant CD21 antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with recombinant CD21 antibody (clone rCR2/6964). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant CD21 antibody (clone rCR2/6964) as confirmation of integrity and purity.

## Description

Recognizes a protein of 140kDa, which is identified as the complement receptor 2 (CR2) or 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 EBV and for IFNalpha. CD21 binds to CD23 and associates with CD19, CD81 and Leu13 to form a large signal-transduction complex involved in B cell activation.

## Application Notes

Optimal dilution of the recombinant CD21 antibody should be determined by the researcher.

## Immunogen

A recombinant partial protein sequence (within amino acids 900-1033) from the human protein was used as the immunogen for the recombinant CD21 antibody.

## Storage

Aliquot the recombinant CD21 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.