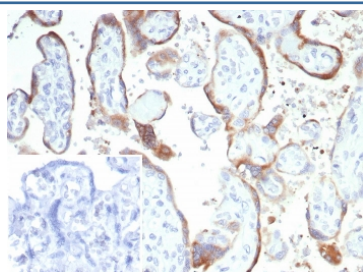


Recombinant CD21 Antibody [clone rCR2/6964] (V4773)

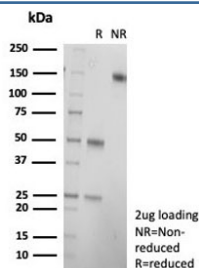
Catalog No.	Formulation	Size
V4773-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4773-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4773SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	rCR2/6964
Purity	Protein A/G affinity
UniProt	P20023
Localization	Cell surface
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	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 IFN α . 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.