

CD21 (ZR419)

Rabbit Monoclonal Antibody

Host: Rabbit
Specificity: Human
Immunogen: Recombinant human CR2 (CD21) protein fragment (around aa 44-196)
Ig Class: IgG
Storage: Store at 2-8°C for up to 2 years for concentrate form and 18 months for predilute form.

Specifications: CD21 (ZR419) Rabbit Monoclonal primary antibody detects CD21 protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.

Staining procedures: Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain CD21 protein.

Localization: Cell membrane.

Intended Use: Research Use Only (RUO). This antibody is not for diagnostic use.

Description: Recognizes a protein of 140 kDa, which is identified as the complement receptor 2 (CR2) / CD21. This protein is strongly expressed by mature B cells, follicular dendritic cells and weakly by 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 alpha. CD21 binds to CD23 and associates with CD19, CD81 and Leu13 to form a large signal-transduction complex involved in B cell activation.

Supplied As: Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

References:

1. Cheuk W, et al. Am J Surg Pathol. 2001; 25:721-31.
2. Pileri SA, et al. Histopathology. 2002; 41:1-29.
3. Biddle DA, et al. Mod Pathol. 2002; 15:50-58.

REF Z2775RL/ Z2775RS/ Z2775RT/ Z2775RP (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)