

CD 21 clone 2G9

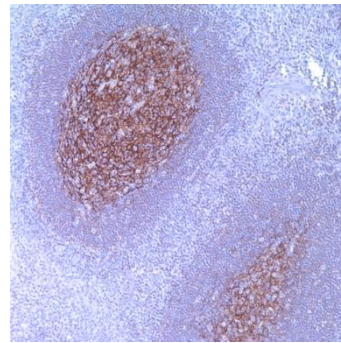
Instructions for Use

Specification:

CD21, also known as CR2, C3d receptor and EBV receptor, is expressed strongly on mature B cells, follicular dendritic cells and weakly on immature thymocytes and T lymphocytes. In B cell ontogeny, CD 21 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 a 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.

Availability:

Catalog No.	Contents	Volume
ILM8403-C01	CD 21	0,1 ml concentrate
ILM8403-C05	CD 21	0,5 ml concentrate
ILM8403-C1	CD 21	1,0 ml concentrate



Intended use: For Research Use Only

Reactivity: Human

Clone: 2G9

Species of origin: Mouse

Isotype: IgG2a

Control Tissue: Tonsil

Staining: Cell membrane

Presentation: Anti-CD21 is a mouse monoclonal antibody from supernatant diluted in phosphate buffered saline, pH 7.4, with protein base, and preserved with sodium azide

Application and suggested dilutions:

Pre-treatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, or in 50 mM Tris buffer pH9.5, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution up to 1:25-1:100)
- Immunohistochemical staining of cryostat tissue section (dilution up to 1:25-1:100)

Note: Dilution of the antibody concentrate in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.

References

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- 5) Biddle DA et al. Modern Pathology 15:50-58 (2002)
- 6) Cheuk W et al. Am J Surg Pathol. 2001 Jun;25(6):721-31
- 7) Chang KC et al. J Pathol. 2003 Nov;201(3):404-12
- 8) Chan AC et al. histopathology. 2001 Jun;38(6):510-8