

CD21 clone CR2/2754

Mouse Monoclonal antibody

Instructions For Use

Specification:

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-cells 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.

Availability:

Catalog No.	Contents	Volume
ILM2754-C01	CD21	0,1 ml concentrate
ILM2754-C05	CD21	0,5 ml concentrate
ILM2754-C1	CD21	1,0 ml concentrate

Intended use: For Research Use Only

Reactivity: Human, others not known

Clone: CR2-2754

Species of origin: Mouse

Isotype: IgG1, Kappa

Control tissue: molt4, Raji, WEHI-231 cells or tonsil

Staining: Cell Surface

Human Entrez Gene ID: 1380

Human SwissProt: P20023

Human Unigene: 445757

Human Chromosome Location: 1q32

Immunogen: Recombinant fragment (around aa142-240) of human CR2 (CD21) protein (exact sequence is proprietary)

Presentation: Bioreactor Concentrate with 0.05% BSA and 0.05% Azide

Application and suggested dilutions:

No special pretreatment is required for staining of formalin-fixed tissues Immunohistochemical staining of formalin-fixed,

- paraffin embedded tissue section (dilution up to 1:100-1:200)

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilution of the antibody 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:

- 1) Otsuka, M., et.al. 2004. Role of CD21 antigen in diffuse large B-cell lymphoma and its clinical significance. Br. J. Haematol. 127:416-424.