

CD21L

CONTACT INFORMATION:	University of Oxford marketed by Ximbio.com
TYPE:	mouse anti human
CLONE NAME:	R4/23
PROTEIN:	Complement component (3d/Epstein Barr virus) receptor 2; long form (CR2, CD21L)
PROTEIN WEB:	https://www.omim.org/entry/120650
ANTIGEN USED:	Cell lysate from a chronic lymphocytic leukemia patient.
FUSION PARTNER:	P3/NS1/1-Ag4.1
ISOTYPE:	IgM
SPECIES REACTIVITY:	Human
PREPARATION AND STORAGE:	Aliquot and store at 4C. Do not freeze
COMMERCIALIZED BY:	Ximbio.com
APP RECOMMENDED:	IHC WB

DESCRIPTION

CR2 is expressed strongly on mature B cells, follicular dendritic cells and weakly on immature thymocytes and T lymphocytes. CR2 functions as a receptor for C3d, C3dg and iC3b Complement components and for EBV and for IFN alpha. Follicular dendritic cells (contained in B cell follicles) selectively express the "Long" isoform of CR2 (CD21L) that contains an additional exon (10a) compared to CR2 (CD21). R4/23 recognises the long form of CR2 and can be used to identify dendritic reticulum cells (or their remnants) in lymphoid tissues.

PUBLICATION DESCRIBING ANTIBODY CHARACTERIZATION/VALIDATION

J Clin Pathol. 1983 Feb;36(2):167-75.

Production of a monoclonal antibody reactive with human dendritic reticulum cells and its use in the immunohistological analysis of lymphoid tissue.

Naiem M, Gerdes J, Abdulaziz Z, Stein H, Mason DY.

PMID: 6338047

<https://www.ncbi.nlm.nih.gov/pubmed/6338047>