CR2 monoclonal antibody, clone 4C5

Catalog # MAB5288 Size

Specification

Product Description	Mouse monoclonal antibody raised against CR2.
Immunogen	Immunized subcutaneously in its footpads with fragments of human tonsil.
Host	Mouse
Reactivity	Human
Specificity	This antibody reacts with the CD21 (140kD) molecule, expressed (moderate) on mature B-cells and (at high density) on follicular dendritic cells (FDC).
Form	Liquid
Isotype	IgG2a
Recommend Usage	Immunohistochemistry (Frozen sections) (1:20-1:50) Flow Cytometry (1:50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Frozen sections)
- Immunofluorescence
- Flow Cytometry

Gene Info — CR2

Entrez GeneID	1380
Gene Name	CR2
Gene Alias	C3DR, CD21, SLEB9
Gene Description	complement component (3d/Epstein Barr virus) receptor 2
Omim ID	120650 610927
Gene Ontology	Hyperlink
Gene Summary	Complement component receptor-2 (CR2) is the membrane protein on B lymphocytes to which th e Epstein-Barr virus (EBV) binds during infection of these cells. See also CR1 (MIM 120620). Yef enof et al. (1976) [PubMed 181330] found complete overlapping of EBV receptors and C3 (MIM 120700) receptors on human B lymphocytes.[supplied by OMIM
Other Designations	OTTHUMP00000034421|OTTHUMP00000034447

Pathway

- B cell receptor signaling pathway
- Complement and coagulation cascades
- Hematopoietic cell lineage

Disease

- Genetic Predisposition to Disease
- Lupus Erythematosus
- Lymphoma
- Macular Degeneration
- Nasopharyngeal Neoplasms
- Parkinson disease