

CR2 monoclonal antibody, clone BU33

Catalog # MAB6926 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native CR2.
Immunogen	Native purified CR2 from Human HFB-1 cell line.
Host	Mouse
Theoretical MW (kDa)	145
Reactivity	Human
Specificity	This antibody recognizes CR2.
Form	Liquid
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM sodium phosphate buffer, 100 mM potassium Chloride, 150 mM NaCl, pH 7.5 (0.5 mg/mL gentamicin sulfate)
Storage Instruction	Store at 4°C.

Applications

- Immunohistochemistry (Frozen sections)
- Immunoprecipitation
- 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 the 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

Publication Reference

- [Epstein-Barr virus modulates de novo protein synthesis in human neutrophils.](#)

Beaulieu AD, Paquin R, Gosselin J.

Blood 1995 Oct; 86(7):2789.

- [Characterization of a complement receptor 2 \(CR2, CD21\) ligand binding site for C3. An initial model of ligand interaction with two linked short consensus repeat modules.](#)

Molina H, Perkins SJ, Guthridge J, Gorka J, Kinoshita T, Holers VM.

Journal of Immunology 1995 May; 154(10):5426.

Application: Flow Cyt, Human, K-562 cells

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](#)