



Anti-CR2 monoclonal antibody, clone LB21 [R-PE] (CABT-45727MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse anti Human CD21 antibody, clone LB21 the human Complement receptor type 2, also known as the Epstein-Barr virus receptor or CD21. CD21 is a 14kDa cell surface glycoprotein expressed by mature B cells and by follicular dendritic cells. The molecule acts as a receptor for complement components C3d, C3dg and iC3b, as well as for Epstein Barr Virus. It forms part of a large signal transduction complex in association with CD19. Flow Cytometry Use 10ul of the suggested working dilution to label 10 ⁶ cells or 100ul whole blood
Specificity	CR2
Immunogen	Human IM9 cell line.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Bovine, Cat, Goat, Mink, Sheep
Clone	LB21
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Size	100 tests
Preservative	0.09% Sodium Azide
Storage	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected

from light. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CR2 complement component (3d/Epstein Barr virus) receptor 2 [Homo sapiens (human)]
Official Symbol	CR2
Synonyms	CR2; complement component (3d/Epstein Barr virus) receptor 2; CR; C3DR; CD21; CVID7; SLEB9; complement receptor type 2; EBV receptor; complement C3d receptor;
Entrez Gene ID	1380
Protein Refseq	NP_001006659
UniProt ID	P20023
Chromosome Location	1q32
Pathway	B Cell Receptor Signaling Pathway; B cell receptor signaling pathway; Complement and Coagulation Cascades; Complement and coagulation cascades; Epstein-Barr virus infection; Hematopoietic cell lineage;
Function	DNA binding; complement binding; complement receptor activity; protein homodimerization activity; transmembrane signaling receptor activity;