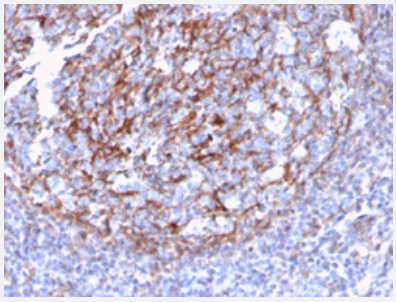
RecomAb™

CR2 recombinant monoclonal antibody, clone CR2/3124R

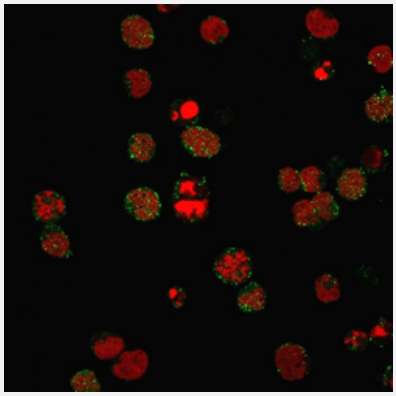
Catalog # RAB00539 Size 100 ug

Applications



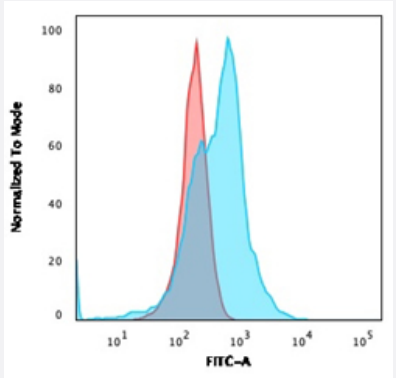
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human tonsil.



Immunofluorescence

Immunofluorescent staining of PFA-fixed MOLT4 cells followed by goat anti-mouse IgG conjugated to CF488 (green). Nuclei are stained with Reddot.



Flow Cytometry

Flow cytometric analysis of PFA-fixed MOLT4 cells. Goat anti-mouse IgG-CF488 (Blue) ; Isotype Control (Red).

Specification

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Product Description	Rabbit recombinant monoclonal antibody raised against partial human CR2.
Antibody Species	Rabbit
Immunogen	Recombinant protein corresponding to amino acids 142-240 of human CR2.
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1-2 ug/million cells) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) Western Blot (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 1 mg/mL PBS
Storage Instruction	Store at -20 to -80°C.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of human tonsil.

- Immunofluorescence

  Immunofluorescent staining of PFA-fixed MOLT4 cells followed by goat anti-mouse IgG conjugated to CF488 (green). Nuclei are stained with Reddot.

- Flow Cytometry

  Flow cytometric analysis of PFA-fixed MOLT4 cells. Goat anti-mouse IgG-CF488 (Blue) ; Isotype Control (Red).

- Western Blot

Gene Info — CR2

Entrez GeneID	1380

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Protein Accession#	P20023
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

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