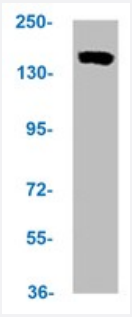
RecomAb™

CR2 recombinant monoclonal antibody, clone 16F10

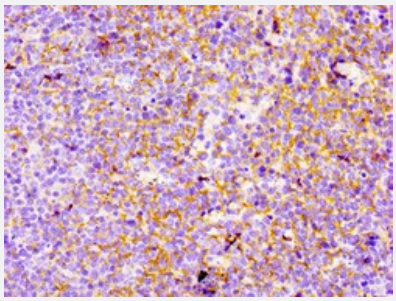
Catalog # RAB04206 Size 100 uL

Applications



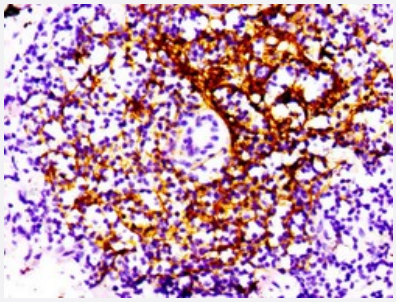
Western Blot

Western blot analysis of Raji whole cell lysate with CR2 recombinant monoclonal antibody, clone 16F10 (Cat # RAB04206).



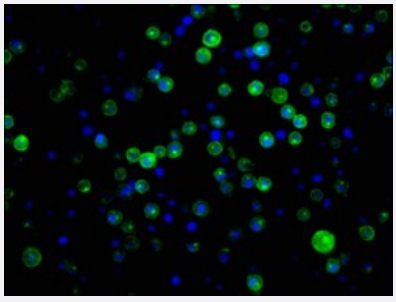
Immunohistochemistry

Immunohistochemical staining of human tonsil tissue with CR2 recombinant monoclonal antibody, clone 16F10 (Cat # RAB04206) (diluated at 1:100).



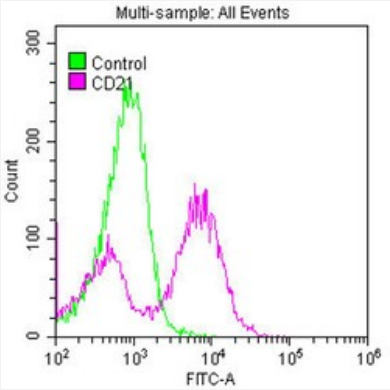
Immunohistochemistry

Immunohistochemical staining of human lung cancer with CR2 recombinant monoclonal antibody, clone 16F10 (Cat # RAB04206) (diluated at 1:100)



Immunofluorescence

Immunofluorescent staining of Raji cells with CR2 recombinant monoclonal antibody, clone 16F10 (Cat # RAB04206) (diluated at 1:34). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).



Flow Cytometry

Flow cytometric analysis of Raji cells with CR2 recombinant monoclonal antibody, clone 16F10 (Cat # RAB04206) (diluated at 1:50; purple line) and negative control (green line).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CR2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human CR2.
Theoretical MW (kDa)	Calculated MW: 155 k
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry Immunofluorescence (1:30-1:200) Immunohistochemistry (1:50-1:500) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	store at -20 °C or -80 °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

- Western Blot

  Western blot analysis of Raji whole cell lysate with CR2 recombinant monoclonal antibody, clone 16F10 (Cat # RAB04206).

- Immunohistochemistry

  Immunohistochemical staining of human tonsil tissue with CR2 recombinant monoclonal antibody, clone 16F10 (Cat # RAB04206) (diluated at 1:100).

- Immunohistochemistry

  Immunohistochemical staining of human lung cancer with CR2 recombinant monoclonal antibody, clone 16F10 (Cat # RAB04206) (diluated at 1:100)

- Immunofluorescence

  Immunofluorescent staining of Raji cells with CR2 recombinant monoclonal antibody, clone 16F10 (Cat # RAB04206) (diluated at 1:34). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

  Flow cytometric analysis of Raji cells with CR2 recombinant monoclonal antibody, clone 16F10 (Cat # RAB04206) (diluated at 1:50; purple line) and negative control (green line).

Gene Info — CR2

Entrez GeneID	1380
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