

RecomAb™

# CR2 recombinant monoclonal antibody, clone 16F10

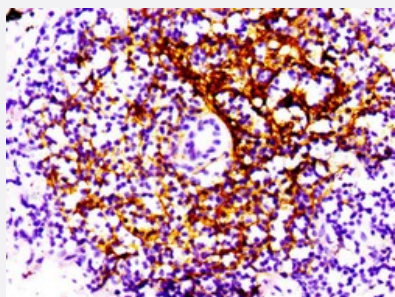
Catalog # RAB04206      Size 100 uL

## Applications



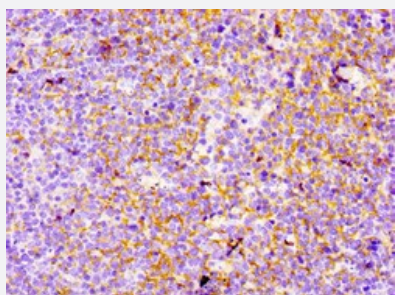
### Western Blot

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



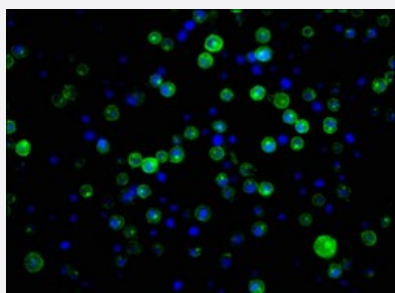
### Immunohistochemistry

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



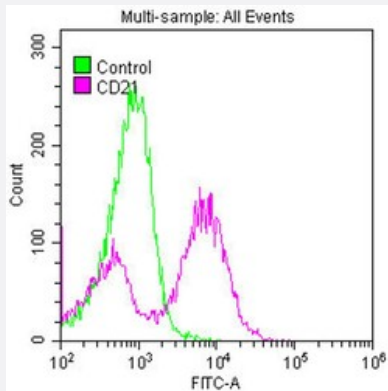
### Immunohistochemistry

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



### Immunofluorescence

Immunofluorescent staining of Raji cells with CR2 recombinant monoclonal antibody, clone 16F10 (Cat # RAB04206) (diluted at 1:34). The secondary antibody was Alexa Fluor 488-conjugated 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) (diluted at 1:50; purple line) and negative control (green line).

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human CR2.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against a synthetic peptide corresponding to human CR2.
<b>Theoretical MW (kDa)</b>	Calculated MW: 155 k
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Affinity chromatography
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	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.
<b>Storage Buffer</b>	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
<b>Storage Instruction</b>	store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should 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 lung cancer with CR2 recombinant monoclonal antibody, clone 16F10 (Cat # RAB04206) (diluted at 1:100)

- Immunohistochemistry

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

- Immunofluorescence

Immunofluorescent staining of Raji cells with CR2 recombinant monoclonal antibody, clone 16F10 (Cat # RAB04206) (diluted at 1:34). The secondary antibody was Alexa Fluor 488-conjugated 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) (diluted at 1:50; purple line) and negative control (green line).

## Gene Info — CR2

Entrez GeneID	<a href="#">1380</a>
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Protein Accession#	<a href="#">P20023</a>
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Gene Name	CR2
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Gene Alias	C3DR, CD21, SLEB9
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Gene Description	complement component (3d/Epstein Barr virus) receptor 2
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Omim ID	<a href="#">120650</a> <a href="#">610927</a>
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Gene Ontology	<a href="#">Hyperlink</a>
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**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). Yefenof 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](#)