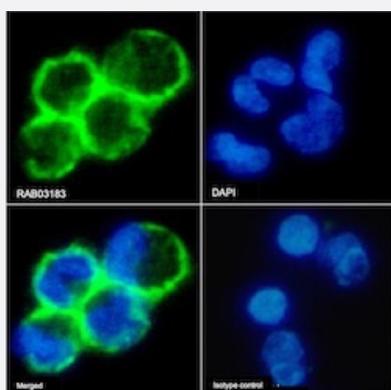


RecomAb™

## CD19 recombinant monoclonal antibody, clone CAT-13.1E10

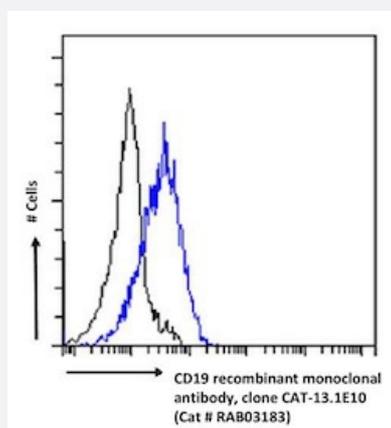
Catalog # RAB03183      Size 200 ug

### Applications



#### Immunofluorescence

Immunofluorescent staining of human peripheral blood leukocytes with CD19 recombinant monoclonal antibody, clone CAT-13.1E10 (Cat # RAB03183). Immunofluorescence analysis of paraformaldehyde fixed human peripheral blood leukocytes on Shi-fix™ coverslips stained with the chimeric r version of RAB03183 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right- top-bottom RAB03183- DAPI- merged channels and an isotype control. The isotype control was an unknown specificity antibody (.1) followed by staining with Alexa Fluor® 488 secondary antibody.



#### Flow Cytometry

Flow cytometric analysis of Daudi cells with CD19 recombinant monoclonal antibody, clone CAT-13.1E10 (Cat # RAB03183). Paraformaldehyde fixed Daudi cells were stained with anti-unknown specificity antibody (3.0; isotype control- black line) or the r version of RAB03183 (blue line) at a dilution of 1:100 for 1h at RT. After washing- the bound antibody was detected using a goat anti-r AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

### Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human CD19.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against human CD19.

<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Flow Cytometry Immunofluorescence Therapeutics The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS with 0.02% Proclin 300
<b>Storage Instruction</b>	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Immunofluorescence

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Immunofluorescence analysis of paraformaldehyde fixed human peripheral blood leukocytes on Shi-fix™ coverslips stained with the chimeric r version of RAB03183 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right- top-bottom RAB03183- DAPI- merged channels and an isotype control. The isotype control was an unknown specificity antibody (.1) followed by staining with Alexa Fluor® 488 secondary antibody.

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Flow cytometric analysis of Daudi cells with CD19 recombinant monoclonal antibody, clone CAT-13.1E10 (Cat # RAB03183). Paraformaldehyde fixed Daudi cells were stained with anti-unknown specificity antibody (3.0; isotype control- black line) or the r version of RAB03183 (blue line) at a dilution of 1:100 for 1h at RT. After washing- the bound antibody was detected using a goat anti-r AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

## Gene Info — CD19

<b>Entrez GeneID</b>	<a href="#">930</a>
<b>Gene Name</b>	CD19
<b>Gene Alias</b>	B4, MGC12802
<b>Gene Description</b>	CD19 molecule
<b>Omim ID</b>	<a href="#">107265</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

**Gene Summary**

Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. [provided by RefSeq]

**Other Designations**

B-lymphocyte antigen CD19|CD19 antigen

## Pathway

- [B cell receptor signaling pathway](#)
- [Hematopoietic cell lineage](#)
- [Primary immunodeficiency](#)

## Disease

- [Arthritis](#)
- [Crohn Disease](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)
- [Pemphigus](#)
- [Scleroderma](#)