

#### RecomAb™

# CD19 recombinant monoclonal antibody, clone CAT-13.1E10

Catalog # RAB03183 Size 200 ug

## Applications



# Signature (Chi # RABO3183)

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

🗑 Abnova

## **Product Information**

Reactivity	Human
Form	Liquid
lsotype	lgG
Recommend Usage	Flow Cytometry Immunofluorescence Therapeutics The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS with 0.02% Proclin 300
Storage Instruction	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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# Gene Info — CD19

Entrez GenelD	<u>930</u>
Gene Name	CD19
Gene Alias	B4, MGC12802
Gene Description	CD19 molecule
Omim ID	<u>107265</u>
Gene Ontology	<u>Hyperlink</u>



## **Product Information**

**Gene Summary** 

Lymphocytes proliferate and differentiate in response to various concentrations of different antige ns. 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 r antigen receptor-dependent stimulation. [provided by RefSeq

**Other Designations** 

B-lymphocyte antigen CD19|CD19 antigen

## Pathway

- <u>B cell receptor signaling pathway</u>
- Hematopoietic cell lineage
- Primary immunodeficiency

## Disease

- Arthritis
- <u>Crohn Disease</u>
- Genetic Predisposition to Disease
- Lupus Erythematosus
- Pemphigus
- Scleroderma