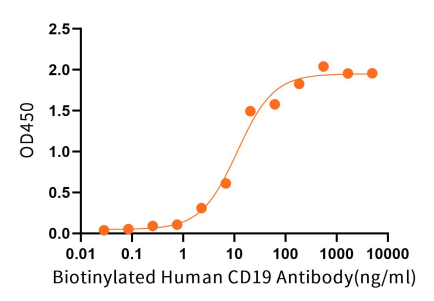
RecomAb™ | *In Vivo* Functional Grade Antibodies | Sm Size

CD19 recombinant monoclonal antibody (Biotin)

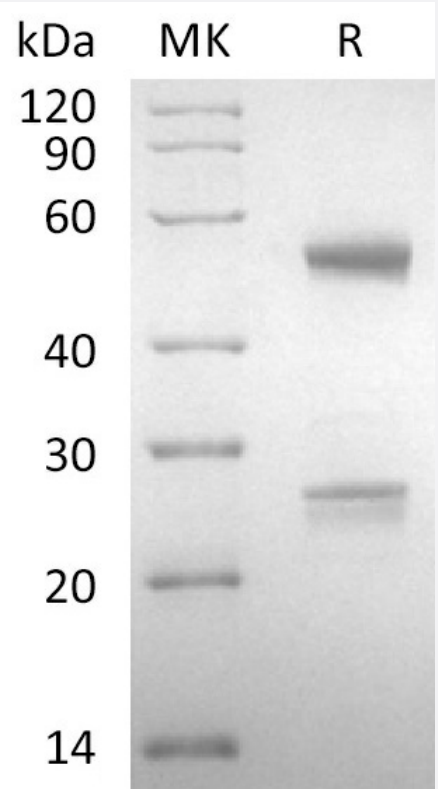
Catalog # RAB09535 Size 20 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Immobilized Recombinant Human CD19 (C-Fc) at 2 ug/mL (100 uL/well) can bind CD19 recombinant monoclonal antibody, IgG2a (Biotinylated). The EC_{50} of Biotinylated Human CD19 Antibody is 11.45 ng/mL.



SDS-PAGE

Greater than 95% as determined by reducing SDS-PAGE.

Specification

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Product Description	CD19 recombinant monoclonal antibody, IgG2a targeting human CD19 recombinant protein.
Antibody Species	Human
Theoretical MW (kDa)	51.1, 26.0
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell expression system
Isotype	Mouse IgG2a
Purity	≥ 95% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of the protein by the LAL method.
Form	Liquid
Isotype	IgG2a
Storage Buffer	In 20mM Histidine, 8% sucrose, 0.06% Tween80, pH 5.0.
Sterility	0.2 um filtration
Storage Instruction	Store at -20°C, stable for 12 months after receipt. Aliquot to avoid repeated freezing and thawing.

Applications

- Enzyme-linked Immunoabsorbent Assay

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Gene Info — CD19

Entrez GeneID	930
Gene Name	CD19
Gene Alias	B4, MGC12802

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Gene Description	CD19 molecule
Omim ID	107265
Gene Ontology	Hyperlink
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 fo r 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

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