

# Anti-CD19 Reference Antibody (Loncastuximab tesirine)

Recombinant Antibody

Catalog # APR10084

## Product Information

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<b>Application</b>	FC, Kinetics, Animal Model
<b>Primary Accession</b>	<a href="#">P15391</a>
<b>Reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Calculated MW</b>	61128

## Additional Information

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<b>Target/Specificity</b>	CD19
<b>Endotoxin Conjugation</b>	PBD
<b>Expression system</b>	CHO Cell
<b>Format</b>	Purified monoclonal antibody supplied in 0.1M Glycine,0.2M NaCl,(tris),pH6.0, without preservative. This antibody is purified through a protein A column.

## Protein Information

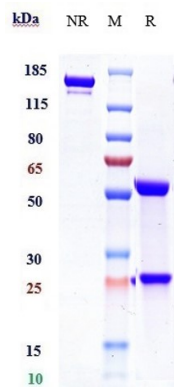
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<b>Name</b>	CD19
<b>Function</b>	Functions as a coreceptor for the B-cell antigen receptor complex (BCR) on B-lymphocytes (PubMed: <a href="#">29523808</a> ). Decreases the threshold for activation of downstream signaling pathways and for triggering B-cell responses to antigens (PubMed: <a href="#">1373518</a> , PubMed: <a href="#">16672701</a> , PubMed: <a href="#">2463100</a> ). Activates signaling pathways that lead to the activation of phosphatidylinositol 3-kinase and the mobilization of intracellular Ca(2+) stores (PubMed: <a href="#">12387743</a> , PubMed: <a href="#">16672701</a> , PubMed: <a href="#">9317126</a> , PubMed: <a href="#">9382888</a> ). Is not required for early steps during B cell differentiation in the blood marrow (PubMed: <a href="#">9317126</a> ). Required for normal differentiation of B-1 cells (By similarity). Required for normal B cell differentiation and proliferation in response to antigen challenges (PubMed: <a href="#">1373518</a> , PubMed: <a href="#">2463100</a> ). Required for normal levels of serum immunoglobulins, and for production of high-affinity antibodies in response to antigen challenge (PubMed: <a href="#">12387743</a> , PubMed: <a href="#">16672701</a> , PubMed: <a href="#">9317126</a> ).
<b>Cellular Location</b>	Cell membrane; Single-pass type I membrane protein. Membrane raft {ECO:0000250 UniProtKB:P25918}; Single-pass type I membrane protein {ECO:0000250 UniProtKB:P25918}

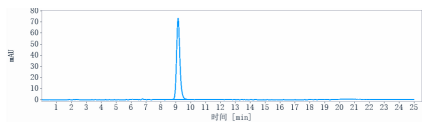
Tissue Location

Detected on marginal zone and germinal center B cells in lymph nodes (PubMed:2463100). Detected on blood B cells (at protein level) (PubMed:16672701, PubMed:2463100)

Images



Anti-CD19 Reference Antibody (Loncastuximab tesirine) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-CD19 Reference Antibody (Loncastuximab tesirine) is more than 100% ,determined by SEC-HPLC.

Image not found : 202311/AP90083-3.jpg

Immobilized human CD19 His at 2 µg/mL can bind Anti-CD19 Reference Antibody (Loncastuximab tesirine),EC50=4.87 µg/mL

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.