

YR0502

Leader in Biomolecular Solutions for Life Science



# Human CD19 Monoclonal Antibody (N297Q)

Catalog No.: YR0502

## Basic Information

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### Molecular Weight

150 kDa

### Endotoxin

<1EU/mg (<0.001EU/μg) Determined by LAL gel clotting assay

### Sterility

0.2 μm filtration

### Aggregation

<5% Determined by SECP

### Purity

>95% Determined by SDS-PAGE

## Background

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Loncastuximab (RB4v1.2) is an anti-CD19 monoclonal antibody. Loncastuximab shows antitumor activity and has potential application in non-Hodgkin's lymphoma (NHL), including diffuse large B-cell lymphoma (DLBCL).

## Reported Applications

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ELISA, neutralization, functional assays such as bioanalytical PK and ADA assays, and those assays for studying biological pathways

## Immunogen Information

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### Clone

Loncastuximab Biosimilar

### Isotype

Human IgG1 kappa

### Immunogen

### Recommended Isotype Control(s)

### Recommended Dilution Buffer

1×PBS pH 7.3

## Contact

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[www.abclonal.com](http://www.abclonal.com)

## Product Information

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### Production

Purified from cell culture supernatant in an animal-free facility

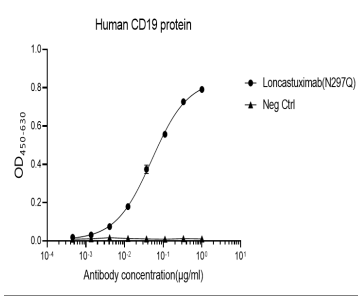
### Purification

Protein A or G purification

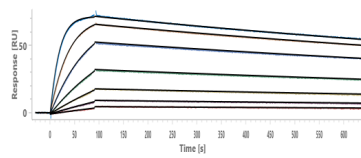
### Storage

Store at 2 - 8°C. 2 - 8°C for up to 4 weeks and -80°C for long term storage (Avoid repeated freezing and thawing)

## Validation Data



Direct ELISA binding curve demonstrating the recognition of Human Anti-Human CD19 (Research Grade Loncastuximab(N297Q) Biosimilar) Monoclonal Antibody to CD19. The target protein was coated onto the microplate well surface, followed by binding of the antibody. A donkey anti-human IgG HRP conjugate was used for detection.



Human CD19 SPR assay. Determined through SPR assay, the Human Anti-Human CD19 (Research Grade Loncastuximab (N297Q) Biosimilar) Monoclonal Antibody is Capable of binding to Human CD19 with an affinity constant of 1.288nM.