

Datasheet for ABIN7274055  
**CD19 Protein (AA 21-291) (His tag)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	CD19
Protein Characteristics:	AA 21-291
Origin:	Rhesus Monkey, Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD19 protein is labelled with His tag.

## Product Details

Purpose:	Cynomolgus/Rhesus macaque CD19 Protein
Sequence:	Gln21-Trp291
Characteristics:	Recombinant Cynomolgus/Rhesus macaque CD19 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Gln21-Trp291.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	CD19
Alternative Name:	CD19 ( <a href="#">CD19 Products</a> )

### Target Details

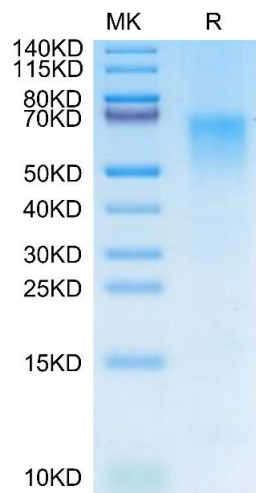
Background:	CD19 is a 95 kDa transmembrane glycoprotein that plays a central role in B cell activation and humoral immune responses.Functions as coreceptor for the B-cell antigen receptor complex (BCR) on B-lymphocytes. Decreases the threshold for activation of downstream signaling pathways and for triggering B-cell responses to antigens. Activates signaling pathways that lead to the activation of phosphatidylinositol 3-kinase and the mobilization of intracellular Ca2 stores.
Molecular Weight:	30.96 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">A0A2K5W8L9</a>
Pathways:	<a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a>

### Application Details

Restrictions:	For Research Use only
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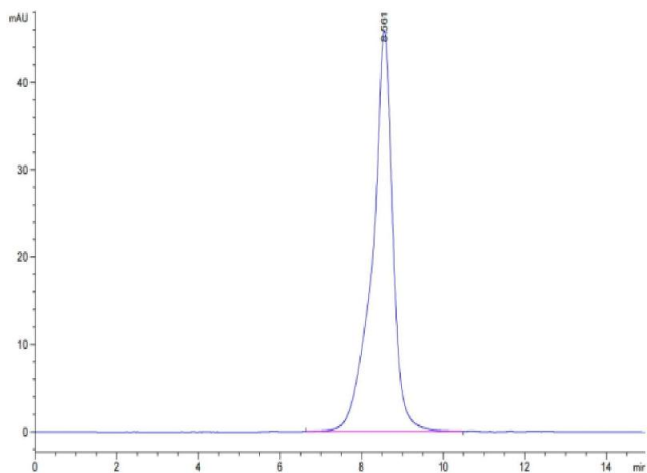
### Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

**Image 1.** Cynomolgus CD19 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Cynomolgus CD19 is greater than 95 % as determined by SEC-HPLC.