

Datasheet for ABIN7274066
CD19 Protein (AA 20-291) (His tag)

2 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD19
Protein Characteristics:	AA 20-291
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD19 protein is labelled with His tag.

Product Details

Purpose:	Human CD19 Protein
Sequence:	Pro20-Lys291
Characteristics:	Recombinant Human CD19 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Pro20-Lys291.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human CD19 Protein at 5µg/ml can bind different Anti-CD19 Antibodies with high affinity. See testing image for detail.

Target Details

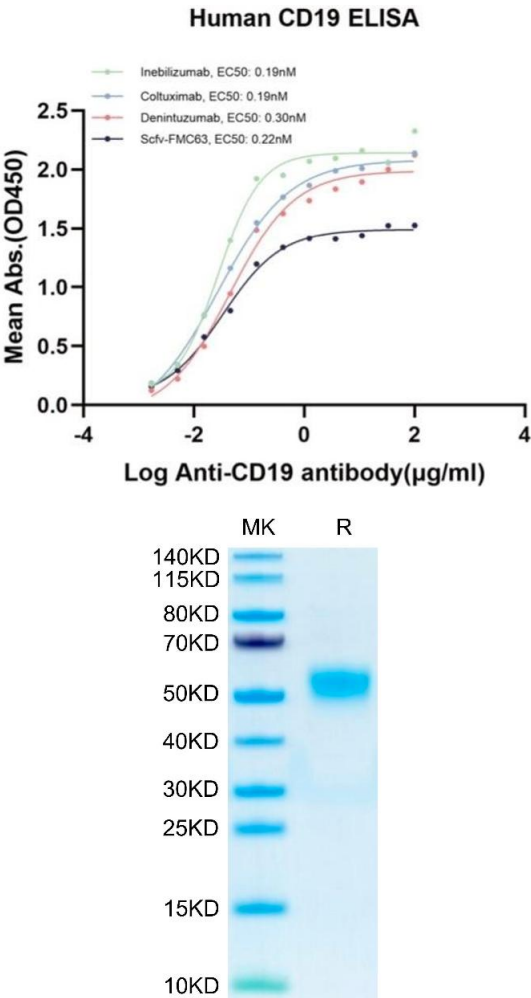
Target:	CD19
Alternative Name:	CD19 (CD19 Products)
Background:	CD19 is a 95 kDa transmembrane glycoprotein that plays a central role in B cell activation and humoral immune responses. Functions as coreceptor for the B-cell antigen receptor complex (BCR) on B-lymphocytes. Decreases the threshold for 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 Ca ²⁺ stores.
Molecular Weight:	34.7 kDa. Due to glycosylation, the protein migrates to 50-60 KDa based on Bis-Tris PAGE result.
Pathways:	Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway

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



ELISA

Image 1. Immobilized Human CD19 Protein at 5 µg/mL can bind different Anti-CD19 Antibodies with high affinity.

SDS-PAGE

Image 2. Human CD19 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .