

Datasheet for ABIN7274067

CD19 Protein (AA 20-291) (His tag,FITC)[Go to Product page](#)**3** Images

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,FITC.

Product Details

Purpose:	FITC-Compatible Human CD19 Protein
Sequence:	Pro20-Lys291
Characteristics:	FITC-Compatible 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,> 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 (CD19 Products)

Target Details

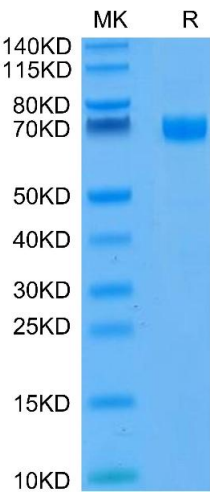
Background:	CD19 is a B-lineage-specific transmembrane glycoprotein, the expression of which is maintained on more than 95 % B-cell malignancies. This strict lineage restriction makes CD19 an ideal target for immune therapies using chimeric antigen receptors (CARs). T cells engineered to express a chimeric antigen receptor (CAR) against CD19 have recently been FDA approved for the treatment of relapsed or refractory large B-cell lymphoma. Despite the success and curative potential of CD19 CAR T cells, several reports describing disease relapse due to antigen loss are now emerging.
Molecular Weight:	60.1 kDa. Due to glycosylation, the protein migrates to 68-72 kDa based on Tris-Bis 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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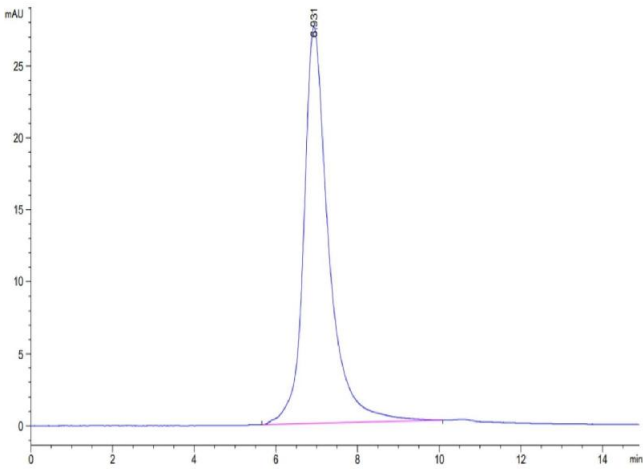
Handling

Format:	Liquid
Buffer:	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



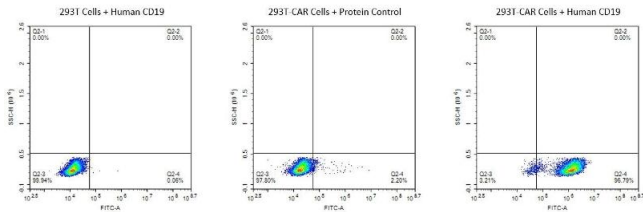
SDS-PAGE

Image 1. FITC-Compatible Human 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 FITC-Compatible Human CD19 is greater than 95 % as determined by SEC-HPLC.



Flow Cytometry

Image 3. Use Human CD19-FITC Compatible protein to detect the expression rate of Anti-CD19-CAR positive cells. Non-transfected 293T cells and FITC-labeled protein control were used as negative control.