

## Datasheet for ABIN7321005

**CD19 Protein (Fc Tag)****1** Image[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	CD19
Origin:	Rhesus Monkey
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD19 protein is labelled with Fc Tag.

## Product Details

Purpose:	Recombinant Rhesus macaque CD19 Protein (Fc Tag)
Sequence:	Pro20-Lys292
Characteristics:	Recombinant Rhesus macaque CD19 is produced by our Mammalian expression system and the target gene encoding Pro20-Lys292 is expressed with a Fc tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	CD19
Alternative Name:	CD19 ( <a href="#">CD19 Products</a> )
Background:	Background: CD19 is a single-pass type I membrane protein containing 2 Ig-like C2-type (immunoglobulin-like) domains. CD19 is expressed on follicular dendritic cells and B cells. In fact, it is present on B cells from earliest recognizable B-lineage cells during development to B-

## Target Details

cell blasts but is lost on maturation to plasma cells. CD19 primarily acts as a B cell co-receptor in conjunction with CD21 and CD81. Upon activation, the cytoplasmic tail of CD19 becomes phosphorylated, which leads to binding by Src-family kinases and recruitment of PI-3 kinase. CD19 Assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. Defects in CD19 are the cause of immunodeficiency common variable type 3 (CVID3) which is a primary immunodeficiency characterized by antibody deficiency, hypogammaglobulinemia, recurrent bacterial infections and an inability to mount an antibody response to antigen.

Synonym: B-Lymphocyte Antigen CD19, B-Lymphocyte Surface Antigen B4, Differentiation Antigen CD19, T-Cell Surface Antigen Leu-12, CD19

Molecular Weight: 57.2 kDa

UniProt: [F7F486](#)

Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#)

## Application Details

Comment: 80-110 kDa

Restrictions: For Research Use only

## Handling

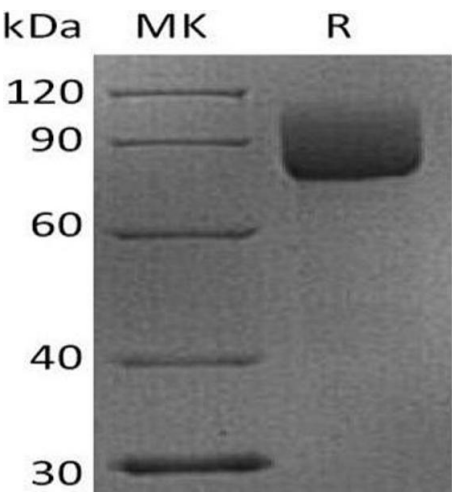
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.