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Datasheet for ABIN7318274
CD19 Protein (Fc Tag)

Overview

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

Product Details

Purpose:	Recombinant Human CD19/Leu-12 Protein (Fc Tag)(Active)
Sequence:	Pro20-Lys291
Characteristics:	Recombinant Human CD19 is produced by our Mammalian expression system and the target gene encoding Pro20-Lys291 is expressed with a Fc tag at the C-terminus.
Purity:	> 80 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human FMC63 at 2µg/ml(100 µl/well) can bind Human CD19-Fc. The ED50 of Human CD19-Fc is 2.48 ug/ml .

Target Details

Target:	CD19
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Target Details

Alternative Name: [CD19 \(CD19 Products\)](#)

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-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, CVID3

Molecular Weight: 57.3 kDa

UniProt: [P15391](#)

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

Application Details

Comment: 78 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 20 mM PB,150 mM NaCl,1 % BSA,0.05 %Sodium azide, 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.