

Product datasheet

Recombinant Human CD19 protein (Tagged) (Biotin) ab269986

1 Image

Description

Product name	Recombinant Human CD19 protein (Tagged) (Biotin)
Purity	> 90 % SDS-PAGE.
Expression system	HEK 293 cells
Accession	<u>P15391</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	EEPLVVKVEEGDNAVLQCLKGTSDGPTQQLTWSRESPL KPFLKLSLGLPG LGIHMRPLAIFNVSQQMGGFYLCQPGPPSEKAWQPG WTVNVEGSGE LFRWNVSDLGGLGCGLKNRSSEGPSSPSGKLMSPKLYV WAKDRPEWEGE PPCLPPRDSLNSQLSQDLTMAPGSTLWLSGCVPPDSVS RGPLSWTHVHPK GPKSLLSLELKDDRPARDMWVWMETGLLLPRATAQDAGKY YCHRGNTMSF HLEITARPVLWHWLLRTGGWK
Predicted molecular weight	59 kDa including tags
Amino acids	21 to 291
Tags	Avi tag C-Terminus , Fc tag C-Terminus
Additional sequence information	C-terminal Avi-Tag™ fused to the Fc portion of Human IgG1.
Conjugation	Biotin

Specifications

Our **Abpromise guarantee** covers the use of **ab269986** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form	Liquid
Additional notes	This protein is enzymatically biotinylated using Avi-Tag™ technology.

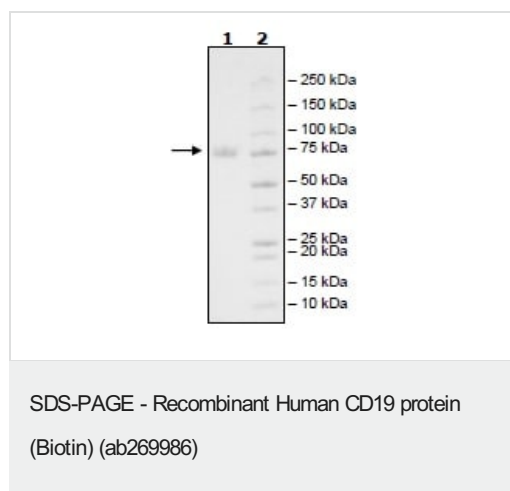
Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle. pH: 7.40 Constituents: 0.64% Sodium chloride, 0.02% Potassium chloride, 20% Glycerol (glycerin, glycerine), 0.13% Sodium phosphate
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General Info

Function	Assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.
Involvement in disease	Defects in CD19 are the cause of immunodeficiency common variable type 3 (CVID3) [MIM:613493]; also called antibody deficiency due to CD19 defect. CVID3 is a primary immunodeficiency characterized by antibody deficiency, hypogammaglobulinemia, recurrent bacterial infections and an inability to mount an antibody response to antigen. The defect results from a failure of B-cell differentiation and impaired secretion of immunoglobulins; the numbers of circulating B cells is usually in the normal range, but can be low.
Sequence similarities	Contains 2 Ig-like C2-type (immunoglobulin-like) domains.
Post-translational modifications	Phosphorylated on serine and threonine upon DNA damage, probably by ATM or ATR. Phosphorylated on tyrosine following B-cell activation.
Cellular localization	Membrane.

Images



SDS-PAGE analysis of 4 µg ab269986 (Lane: 1). 4-20% gel with Coomassie staining.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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