abcam

Product datasheet

Recombinant Human CD19 protein ab158046

1 Image

Description

Product name	Recombinant Human CD19 protein
Expression system	Wheat germ
Accession	P15391
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MPPPRLLFFLLFLTPMEVRPEEPLVVKVEEGDNAVLQCL KGTSDGPTQQL TWSRESPLKPFLKLSLGLPGLGIHMRPLAIWLFIFNVSQQM GGFYLCQPG PPSEKAWQPGWTVNVEGSGELFRWNVSDLGGLGCGLK NRSSEGPSSPSGK LMSPKLYVWAKDRPEIWEGEPPCLPPRDSLNQSLSQDLT MAPGSTLWLSC GVPPDSVSRGPLSWTHVHPKGPKSLLSLELKDDRPARD MWVMETGLLLPR ATAQDAGKYYCHRGNLTMSFHLEITARPVLWHWLLRTGG WKVSAVTLAYL IFCLCSLVGILHLQRALVLRRKRKRMTDPTRRFFKVTPPPG SGPQNQYGN VLSLPTPTSGLGRAQRWAAGLGGTAPSYGNPSSDVQAD GALGSRSPPGVG PEEEEGEGYEEPDSEEDSEFYENDSNLGQDQLSQDGSG YENPEDEPLGPE DEDSFSNAESYENEDEELTQPVARTMDFLSPHGSAWDP SREATSLGSQSY EDMRGILYAAPQLRSIRGQPGPNHEEDADSYENMDNPDG PDPAWGGGGRM GTWSTR
Predicted molecular weight	88 kDa including tags
Amino acids	1 to 556
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab158046** in the following tested applications.

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

Applications	Western blot ELISA
Form	Liquid
Additional notes	Protein concentration is lot specific and is above or equal to 0.12 ug/uL.

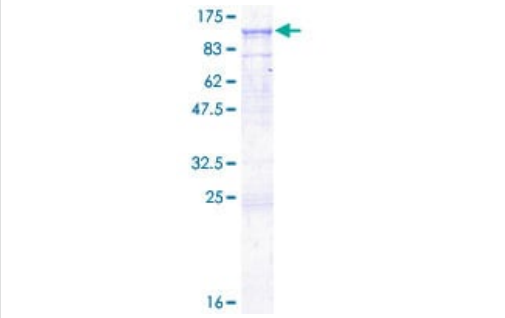
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

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 - Recombinant Human CD19 protein (ab158046)

ab158046 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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

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