abcam

Product datasheet

Recombinant Human CD79a protein ab112267

画像数 1

製品の詳細

製品名	Recombinant Human CD79a protein
生理活性	useful for Antibody Production and Protein Array
発現系	Wheat germ
アクセッション番号	P11912
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	LWMHKVPASLMVSLGEDAHFQCPHNSSNNANVTWWRVLHGNY TWPPEFLG PGEDPNGTLIIQNVNKSHGGIYVCRVQEGNESYQQSCGTYLR VRQPPPRP FLDMGEGT
予測される分子量	38 kDa including tags
領域	33 to 140
タグ	GST tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab112267** in the following tested applications.

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

アプリケーション	SDS-PAGE Peptide Array ELISA Western blot
製品の状態	Liquid
備考	Best use within three months from the date of receipt of this protein.useful for Antibody Production and Protein Array

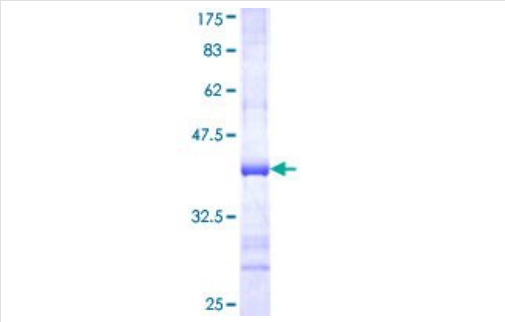
前処理および保存

保存方法および安定性	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 Note: Glutathione is reduced

関連情報

機能	Required in cooperation with CD79B for initiation of the signal transduction cascade activated by binding of antigen to the B-cell antigen receptor complex (BCR) which leads to internalization of the complex, trafficking to late endosomes and antigen presentation. Also required for BCR surface expression and for efficient differentiation of pro- and pre-B-cells. Stimulates SYK autophosphorylation and activation. Binds to BLNK, bringing BLNK into proximity with SYK and allowing SYK to phosphorylate BLNK. Also interacts with and increases activity of some Src-family tyrosine kinases. Represses BCR signaling during development of immature B cells.
組織特異性	B-cells.
関連疾患	Defects in CD79A are the cause of agammaglobulinemia type 3 (AGM3) [MIM:613501]. It is a primary immunodeficiency characterized by profoundly low or absent serum antibodies and low or absent circulating B cells due to an early block of B-cell development. Affected individuals develop severe infections in the first years of life. Note=Two different mutations, one at the splice donor site of intron 2 and the other at the splice acceptor site for exon 3, have been identified. Both mutations give rise to a truncated protein.
配列類似性	Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 ITAM domain.
翻訳後修飾	Phosphorylated on tyrosine, serine and threonine residues upon B-cell activation. Phosphorylation of tyrosine residues by Src-family kinases is an early and essential feature of the BCR signaling cascade. The phosphorylated tyrosines serve as docking sites for SH2-domain containing kinases, leading to their activation which in turn leads to phosphorylation of downstream targets. Phosphorylation of serine and threonine residues may prevent subsequent tyrosine phosphorylation.
細胞内局在	Cell membrane. Following antigen binding, the BCR has been shown to translocate from detergent-soluble regions of the cell membrane to lipid rafts although signal transduction through the complex can also occur outside lipid rafts.

画像



SDS-PAGE - Recombinant Human CD79a protein (ab112267)

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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