

Recombinant Human CD79A Protein, His Tagged

Cat. No. CD79A-11226H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CD79A, His Tag is expressed from human 293 cells (HEK293). It contains AA Leu 33-Arg 143 (Accession # P11912-1). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Leu 33
Species	Human
Source	HEK293
ProteinLength	33-143 aa
Description	B-Cell Antigen Receptor Complex-Associated Protein Alpha Chain(CD79a), also known as CD79α, IgM-α, Ig-α and mb-1, which is a signaling component of the preB cell receptor (preBCR). Covalently linked CD79a and CD79b heterodimer constitutes the B cell antigen receptor (BCR) with membrane immunoglobulin (mIg) in a non-covalent association. CD79a is 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), leading to internalization of the complex, trafficking to late endosomes and antigen presentation. CD79a is also required for BCR surface expression and for efficient differentiation of pro- and pre-B-cells.
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 14.4 kDa. The protein migrates as 25-40 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.

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Endotoxin	Less than 1.0 EU/μg by the LAL method/rFC method.
Purity	>90% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CD79A CD79a molecule, immunoglobulin-associated alpha [Homo sapiens (human)]
Official Symbol	CD79A
Synonyms	CD79A; CD79a molecule, immunoglobulin-associated alpha; CD79A antigen (immunoglobulin associated alpha), IGA; B-cell antigen receptor complex-associated protein alpha chain; MB 1; ig-alpha; MB-1 membrane glycoprotein; surface IgM-associated protein; CD79a antigen (immunoglobulin-associated alpha); membrane-bound immunoglobulin-associated protein; IGA; MB-1;
Gene ID	973
mRNA Refseq	NM_001783
Protein Refseq	NP_001774

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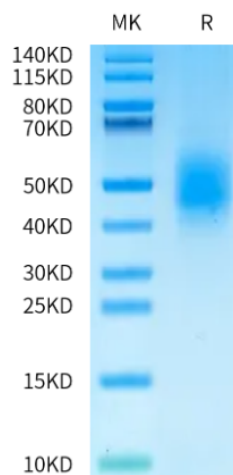
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MIM 112205

UniProt ID P11912

SDS-PAGE



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