

Recombinant Human CD79A

Cat. No. CD79A-27509TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment (amino acids 33-140) of Human CD79a with proprietary 26 kDa tag; 108 amino acids (Predicted MW 12.16 kDa), 37.51 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	108 amino acids
Description	The B lymphocyte antigen receptor is a multimeric complex that includes the antigen-specific component, surface immunoglobulin (Ig). Surface Ig non-covalently associates with two other proteins, Ig-alpha and Ig-beta, which are necessary for expression and function of the B-cell antigen receptor. This gene encodes the Ig-alpha protein of the B-cell antigen component. Alternatively spliced transcript variants encoding different isoforms have been described.
Molecular Weight	37.510kDa inclusive of tags
Tissue specificity	B-cells.
Biological activity	useful for Antibody Production and Protein Array
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.31% Glutathione, 0.79% Tris HClNote: Glutathione is reduced
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	LWMHKVPASLMVSLGEDAHFQCPHNSSNNANVTWWRVLHGNYTWPPEFLGPGED PNGTLIIQNVNKS HGGIYVCRVQEGNESYQQSCGTYLVRQPPRPFLDMGEGT
Sequence Similarities	Contains 1 Ig-like C2-type (immunoglobulin-like) domain.Contains 1 ITAM domain.

GENE INFORMATION

Gene Name	CD79A CD79a molecule, immunoglobulin-associated alpha [Homo sapiens]
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;
Gene ID	973
mRNA Refseq	NM_001783
Protein Refseq	NP_001774
MIM	112205
Uniprot ID	P11912
Chromosome	19q13.2

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Location	
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; B cell receptor signaling pathway, organism-specific biosystem; B cell receptor signaling pathway, conserved biosystem; BCR signaling pathway, organism-specific biosystem; Primary immunodeficiency, organism-specific biosystem;
Function	transmembrane signaling receptor activity;

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