

Active Recombinant Human CD79A & CD79B protein, mFc-Flag &mFc-His-tagged

Cat. No. CD79A & CD79B-2956H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD79A&CD79B protein(Leu 33-Arg 143 (CD79A) & Ala 29-Asp 159 (CD79B)), fused with mFc-Flag and mFc-His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Leu 33-Arg 143 (CD79A) & Ala 29-Asp 159 (CD79B)
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Human CD79A&CD79B Heterodimer Protein, Mouse IgG2a Fc,Flag Tag&Mouse IgG2a Fc,His Tag at 1 µg/mL (100 µL/well) can bind Polatuzumab with a linear range of 0.1-1 ng/mL.
Molecular Mass	Human CD79A&CD79B Heterodimer Protein, Mouse IgG2a Fc,Flag Tag&Mouse IgG2a Fc,His Tag is produced by co-expression of CD79A and CD79B, has a calculated MW of 43.8 kDa (CD79A) and 46.7 kDa (CD79B). Subunit CD79A carries a mouse IgG2a Fc fragment at the C-terminus, followed by a flag tag and subunit CD79B carries a mouse IgG2a Fc fragment at the C-terminus, followed by a polyhistidine tag. The non-reducing (NR) protein migrates as 115-120 kDa due to glycosylation.

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Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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; 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
MIM	112205

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