

CD79 Protein, Human, Recombinant (Flag & His)

General Information

Synonyms:	MB-1; IGA; CD79a molecule, immunoglobulin-associated α ; CD79a molecule, immunoglobulin-associated alpha
Protein Construction:	A DNA sequence encoding the human CD79A (NP_001774.1) (Met1-Arg143) was fused with a flag tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding human CD79B (NP_000617.1) (Met1-Asp159) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the human CD79A & CD79B heterodimer was purified. Predicted N terminal: Leu 33 & Ala 29
Species:	Human
Expression Host:	HEK293 Cells
Accession:	NP_001774.1&NP_000617.1
Molecular Weight:	37.5 kDa (predicted)

QC Testing

Biological Activity:	Immobilized Recombinant Human CD79 (CD79A & CD79B Heterodimer) Protein (Flag & His Tag) (Cat#TMPY-05302) at 1 $\mu\text{g}/\text{mL}$ (100 $\mu\text{L}/\text{well}$) can bind anti-CD79B (Polatuzumab biosimilar), the EC50 is 0.75-2.5 ng/mL (QC tested).
Purity:	$\geq 90\%$ as determined by SDS-PAGE. $\geq 85\%$ as determined by SEC-HPLC.
Endotoxin:	< 1.0 EU/ μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:	Reconstituted with sterile deionized water to 0.25 mg/mL. Reconstitution conditions may vary depending on the lot.
Stability & Storage:	It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C . For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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