Mouse CD79A & CD79B recombinant protein

Catalog Number: 503496

General Information

Gene Name Synonym

Ig-alpha; MB-1 membrane glycoprotein; Membrane-bound immunoglobulin-associated protein; Surface IgM-associated protein

Protein Construction

A DNA sequence encoding the mouse CD79A (NP_031681.2) (Met1-Arg137) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding mouse CD79B (NP_031681.2) (Met1-Asp158) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the mouse CD79A & CD79B heterodimer was purified.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Purity

(67.7+17.7+12.1) % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70℃

Predicted N terminal

Leu 29 & Val 26

Molecular Mass

The recombinant mouse CD79A & mouse CD79B heterodimer comprises 264 (120+144) amino acids and has a calculated molecular mass of 30.3 (13.8+ 16.5) kDa. The apparent molecular mass of the recombinant protein is approximately 34.6, 28.3 and 24.1 kDa respectively in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4.
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

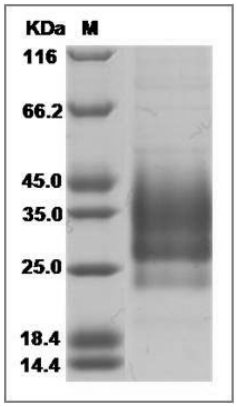
Storage

Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Mouse CD79A & CD79B Heterodimer Protein SDS-PAGE