

Recombinant Mouse B-Lymphocyte Antigen CD19 (Cd19), N-His

Cat. No.: AP4C848

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Mouse B-Lymphocyte Antigen CD19 (Cd19), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 33.3 kDa. The purity is > 90%.

Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	<i>E.coli</i>
Purity	> 90%
Endotoxin	<1.0 EU per 1µg (determined by the LAL method)
Predicted Molecular Weight	33.3 kDa
Physical State	Lyophilized
Formulation	20 mM Tris, 150 mM NaCl, pH8.0, containing 1 mM EDTA, 1 mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Target Information

Mouse B-Lymphocyte Antigen CD19 (Cd19) is a crucial co-receptor expressed on the surface of B cells, playing a vital role in B cell development, activation, and signaling. It enhances the sensitivity of B cells to antigen stimulation by forming a complex with other co-receptors like CD21 and CD81. This complex lowers the threshold for B cell activation, promoting the production of antibodies. In mouse models, Cd19 deficiency leads to impaired B cell function and reduced antibody production.

Protein	Mouse B-Lymphocyte Antigen CD19 (Cd19)
Protein Synonym	Differentiation antigen CD19; CD19
Gene ID	12478
EC No.	P25918

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 20 mM Tris, 150 mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.