

Recombinant Mouse Lymphocyte Antigen 75 (Ly75), N-His

Cat. No.: AP4C807

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Mouse Lymphocyte Antigen 75 (Ly75), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 35.9 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	35.9 kDa
Physical State	Lyophilized
Formulation	20 mM Tris, 150 mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.

Target Information

Mouse Lymphocyte Antigen 75 (Ly75), also known as DEC-205 or CD205, is a C-type lectin receptor expressed primarily on antigen-presenting cells such as dendritic cells (DCs), macrophages, and certain epithelial cells. Ly75 plays a crucial role in antigen uptake, endocytosis, and presentation to T cells, facilitating the initiation of immune responses. In mouse models, targeting antigens to Ly75 on DCs has been shown to induce antigen-specific T cell responses and promote immune tolerance. Additionally, Ly75 has been implicated in the regulation of immune cell infiltration and polarization, particularly in the context of cancer and inflammation.

Protein	Mouse Lymphocyte Antigen 75 (Ly75)
Protein Synonym	Ly-75; DEC-205; CD205
Gene ID	17076
EC No.	Q60767

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.