

Recombinant Mouse CD226 Antigen (CD226), C-His

Cat. No.: AP2C795

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 500 µg; 1 mg

Product Overview

BioVenic's Recombinant Mouse CD226 Antigen (CD226), C-His is a recombinant protein expressed from Human Cells. Its predicted molecular weight is 38.1 kDa. The purity is >90%.

Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	Human Cells
Purity	>90%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	38.1 kDa
Physical State	Lyophilized
Formulation	0.01 mol/L PBS (pH 7.2) containing 0.2% (w/v) Procline-300.

Target Information

Mouse CD226 Antigen, or CD226, is an antigen expressed on immune cells, involved in cell adhesion and signaling. In mouse studies, CD226 is explored for its roles in immune cell interactions and immune responses. CD226 belongs to the immunoglobulin superfamily and can interact with several ligands, including nectin-2 and TSLP receptor complex. This molecule provides costimulatory signals that enhance the activation and effector functions of T cells and natural killer cells. In cancer immunology, CD226 has been implicated in the regulation of antitumor immune responses, as its expression on tumor-infiltrating lymphocytes can influence their cytotoxic activity and persistence. Additionally, CD226 is involved in the pathogenesis of autoimmune diseases, where it may promote the development of pathogenic immune responses by enhancing immune cell activation and migration.

Protein	Mouse CD226 Antigen (CD226)
Protein Synonym	Platelet and T-cell activation antigen 1; CD226
Gene ID	225825
UniProt ID	Q8K4F0

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -20°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. 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.