

Recombinant Feline CD19 Molecule (CD19), C-His

Cat. No.: AP2C72

Product Type: Animal Proteins

Size: 10 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Feline CD19 Molecule (CD19), C-His is a recombinant protein expressed from HEK293 Cell. Its predicted molecular weight is 30.5 kDa. The purity is >95% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Feline
Expression System	HEK293 Cell
Purity	>95% (SDS-PAGE)
Endotoxin	< 1.0 EU/mg
Predicted Molecular Weight	30.5 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 6% Trehalose.

Target Information

In felines, the CD19 molecule is a B cell-specific transmembrane glycoprotein and a member of the immunoglobulin superfamily. It plays a crucial role in B cell development, activation, and differentiation, forming part of the B cell antigen receptor complex. CD19 regulates B cell receptor (BCR) signaling, lowering the threshold for antigen receptor stimulation and enhancing B cell sensitivity to low antigen concentrations. Additionally, CD19 integrates multiple signaling pathways, functioning independently of BCR. In the feline immune system, CD19 serves as a reliable marker for B cell lineage, aiding in the identification and study of B cell-related immune responses.

Protein	Feline CD19 Molecule (CD19)
Protein Synonym	B-lymphocyte antigen CD19 B-lymphocyte surface antigen; B4; CD19 antigen
Gene ID	100125860
UniProt ID	M3VZQ6

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.