
Product Data Sheet

Product Name: CD69 Human
 Cat. No.: GP23072
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CD69 Molecule; CD69 Antigen (P60; Early T-Cell Activation Antigen); Early T-Cell Activation Antigen P60; Leukocyte Surface Antigen Leu-23; BL-AC/P26; GP32/28; CLEC2C; MLR-3; AIM; EA1; C-Type Lectin Domain Family 2; Member C; Activation Inducer Molecule (AIM/CD69); C-Type Lectin Domain Family 2 Member C; Early Lymphocyte Activation Antigen; Activation Inducer Molecule; CD69 Antigen; Early activation antigen CD69.		
Amino Acid Sequence	ADPSVGQYNC PGQYTFSMPSDSHVSSCED WVG YQRKCYF ISTVKRSWTS AQNACSEHGA TLAVIDSEKD MNFLKRYAGR EEHWVGLKKE PGHPWKWSNGKEFNNWFNVT GSDKCVFLKN TEVSSMECEK NLYWICKNPY KHHHHHHH.		
Formulation	CD69 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

CD69 is a type 2 transmembrane glycoprotein which belongs to the C-type lectin family. CD69 is a very early activation Ag of T lymphocytes. The expression of CD69 is induced upon activation of T lymphocytes, and CD69 takes part in proliferation. Moreover, CD69 acts to transmit signals in natural killer cells as well as platelets. CD69 functions in the pathogenesis of allergen induced eosinophilic airway inflammation and responsiveness. Among the diseases which are associated with CD69: cd3gamma deficiency and mast cell disease.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CD69 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 147 amino acids (62-199a.a.) and having a molecular mass of 17.0kDa. (Molecular size on SDS-PAGE will appear at approximately 18-28kDa). CD69 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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