
Product Data Sheet

Product Name: CD99 Human, Sf9
 Cat. No.: GP23086
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CD99 antigen; T-cell surface glycoprotein E2; E2 antigen; Protein MIC2; 12E7; CD99; MIC2; MIC2X; MIC2Y.		
Amino Acid Sequence	ADPDGGFDLS DALPDNENKK PTAIPKKPSA GDDFDLGDV VDGENDDPRP PNPPKMPNP NPNHPSSSGS FSDADLADGV SGGEGKGGSD GGGSHRKEGE EADLEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNAKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTTPVLDSG GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH.		
Formulation	CD99 protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

CD99, or MIC2 gene product, or E2 antigen is expressed on the cell membrane of some lymphocytes, cortical thymocytes, and granulosa cells of the ovary. The antigen is also expressed by most pancreatic islet cells, Sertoli cells of the testis, and some endothelial cells. Mature granulocytes express very little or no CD99. MIC2 is strongly expressed on Ewing's sarcoma cells and primitive peripheral neuroectodermal tumors.

Stability

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

CD99 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated

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

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polypeptide chain containing 342 amino acids (23-122a.a.) and having a molecular mass of 37.3kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa).CD99 is expressed with a 239 amino acids hlgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

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