
Product Data Sheet

Product Name: LY86 Human
 Cat. No.: GP23852
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Lymphocyte Antigen 86; MD-1 RP105-Associated; Protein MD-1; Ly-86; MMD-1; dj80N2.1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MSGGGGKAW PTHVVCSDSG LEVLYQSCDP LQDFGFSVEK CSKQLKSNIN IRFGIILRED IKELFLDLAL MSQGSSVLNF SYPICEAALP KFSFCGRRKG EQIYYAGPVN NPEFTIPQGE YQVLLELYTE KRSTVACANA TIMCS		
Formulation	The LY86 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

LY86 is vital for effective CD180 cell surface expression and is vastly expressed in B-cells, tonsil and monocytes. LY86 collaborate with TLR4 and CD180 to facilitate the essential immune response to bacterial lipopolysaccharide (LPS) and cytokine production.

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

LY86 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 165 amino acids (21-162) and having a molecular mass of 18.1kDa. LY86 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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