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## Product Data Sheet

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Product Name: CD300E Human  
 Cat. No.: GP23096  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CD300e Molecule; CD300e Antigen; CD300LE; IREM2; CLM2; Immune Receptor Expressed On Myeloid Cells 2; Polymeric Immunoglobulin Receptor 2; CD300 Antigen Like Family Member E; CD300 Antigen-Like Family Member E; Poly-Ig Receptor 2; CMRF35-A5; PIgR2; CMRF35-Like Molecule 2; CMRF35A5; CD300E.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSLKGP GSV TG TAGDSLTV WCQYESMYKG YNKYWCRGQY DTSCESIVET KGEEKVERNG RVSIRDHPEA LAFTVTMQNL NEDDAGSYWC KIQTVWV LDS WSRDPSDLVR VYVSPAITTP RRTTHPATPP IFLVVNPGRN LSTGEVLTQN SGFRLSSPH.		
Formulation	CD300E protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0).		

### Introduction

CMRF35-like molecule 2 precursor (CD300E) is a member of the CD300 family. CD300E is a 205 amino acid single-pass type I membrane protein which contains one Ig-like V-type (immunoglobulin-like) domain. While interacting with DAP12, CD300E probably performs as an activating receptor. CD300E is present on the surface of mature hematopoietic cells of the monocyte & myeloid lineages.

### 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

CD300E Human Recombinant produced in E.Coli is a single, non-glycosylated

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

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polypeptide chain containing 179 amino acids (18-173 a.a) and having a molecular mass of 19.9kDa. CD300E is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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