
Product Data Sheet

Product Name: CD48 Human

Cat. No.: GP23062

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CD48 antigen; B-lymphocyte activation marker BLAST-1; BCM1 surface antigen; Leukocyte antigen MEM-102; SLAM family member 2; SLAMF2; Signaling lymphocytic activation molecule 2; TCT.1.		
Amino Acid Sequence	ADPQGHLVHM TVVSGSNVTL NISESLPENY KQLTWFYTFD QKIVEWDSRK SKYFESKFKG RVRLDPQSGA LYISKVQKED NSTYIMRVLK KTGNEQEWKI KLQVLDPVPK PVIKIEKIED MDDNCYLKLS CVIPGESVNY TWYGDKRFPF KELQNSVLET TLMPHNYSRC YTCQVSNVSSKNGTVCLSP PCTLARSHHH HHH.		
Formulation	NECTIN2 protein solution (1.0mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

CD48, is a GPI-linked protein which belongs to the CD2 family of immunoglobulin superfamily molecules. CD48 is capable to transduce signals and can likewise trigger signaling through CD2 or 2B4. CD48 to CD2 interactions advocate T cell activation and class replacing to IgG2a in B cells. In addition, high affinity of CD48 to 2B4, interactions may either promote or inhibit NK cell as well as cytotoxic T cell (CTL) activation. CD48 does not contain a transmembrane domain, though it is held at the cell surface by a GPI anchor through a C-terminal domain which possibly split to produce a soluble form of the receptor.

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.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

CD48 Human Recombinant produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 203 amino acids (27-220a.a.) and having a molecular mass of 23.4kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). CD48 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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