
Product Data Sheet

Product Name: CD244 Human, Sf9
 Cat. No.: GP23032
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Natural killer cell receptor 2B4; NK cell activation-inducing ligand; NAIL; NK cell type I receptor protein 2B4; NKR2B4; h2B4; SLAM family member 4; SLAMF4; Signaling lymphocytic activation molecule 4; CD244; 2B4.		
Amino Acid Sequence	ADLGKGCQGS ADHVVSISGV PLQLQPNSIQ TKVDSIAWKK LLPSQNGFHH ILKWENGLSLP SNTSNDRFSF IVKNLSLLIK AAQQQDSGLY CLEVTSISGK VQTATFQVFV FDKVEKPRLQ GQGKILDRGR CQVALSCLVS RDGNVSYAWY RGSKLIQTAG NLTYLDEEVD INGTHYTCN VSNPVSWESH TLNLTQDCQN AHQEFRFWPL EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTP PVLDSGDGSSF LYSKLTVDKS RWQQGNVFSC SVMHEALHNNH YTQKSLSLSP GKHHHHHH.		
Formulation	CD244 protein solution (1.0mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Cluster of Differentiation 244 (CD244/Natural Killer Cell Receptor 2B4) contains 2 Ig-like (immunoglobulin-like) domains. CD244 is a cell surface receptor expressed on natural killer (NK) cells (and some T cells) which mediate non-major histocompatibility complex (MHC) restricted killing. NK-cell and target cells interaction via the CD244 receptor is believed to modulate NK-cell cytolytic activity. CD244 molecules function in eosinophil adhesion and chemotaxis, and have a role in the pathophysiology of allergic rhinitis (AR).

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

CD244 Human Recombinant produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 448 amino acids (19-224a.a.) and having a molecular mass of 50.2kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). CD244 is expressed with a 239 amino acids hlgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

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