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**Product Data Sheet**


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Product Name: CD244 Human

Cat. No.: GP23031

Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
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; CD244; 2B4; Nmrk; SLAMF4.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHGKGCQG SADHVVSISG VPLQLQPNSI QTKVDSIAWK KLLPSQNGFH HILKWENGSL PSNTSNDRFS FIVKNLSLLI KAAQQQDSGL YCLEVTSISG KVQTATFQVF VFDKVEKPRL QGQGKILDRG RCQVALSCLV SRDGNVSYAW YRGSKLIQTA GNLTYLDEEV DINGHTHTYTC NVSNPVSWEH HTLNLTQDCQ NAHQEFRFWP.		
Formulation	CD244 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer, pH8.0 and 0.4M Urea.		

**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 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**

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

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

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CD244 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 230 amino acids (19-224 a.a) and having a molecular mass of 25.5kDa. CD244 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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