

## CD244 Human

**Description:** 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.

Catalog #: PRPS-1180

For research use only.

**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.

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSHGKGCQG SADHVVISG  
VPLQLQNSI QTKVDSIAWK KLLPSQNGFH HILKWENGL PSNTSNDRF S FIVKNLSLLI  
KAAQQQDSGL YCLEVTSISG KVQTATFQVF VFDKVEKPRL QGQKILDRG RCQVALSCLV  
SRDGNVSYAW YRGSKLIQTA GNLTYLDEEV DINGTHTYTC NVSNPVSWE S HTLNLTQDCQ  
NAHQEFRFWP.

**Purity:** Greater than 85% as determined by SDS-PAGE.

**Formulation:**

CD244 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer, pH8.0 and 0.4M Urea.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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).

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