Recombinant Human CD244 Protein, C-His-tagged

Cat. No. CD244-113H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD244 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	2B4, also known as signaling lymphocytic activation molecule family member 4 (SLAMF4) and cluster of differentiation 244 (CD244), is a heterophilic cell surface receptor expressed on a variety of immune cells, including natural killer (NK) cells, T cells, eosinophils, mast cells, and dendritic cells. 2B4 has been shown to have both immune stimulatory and inhibitory effects on cells. Upon engagement of its ligand CD48, 2B4 can enhance immune cell signaling, cytokine production, non-major histocompatibility complex-restricted cytotoxicity, and cell migration. Conversely, at early stages of NK cell differentiation, 2B4 may function as an inhibitory receptor possibly ensuring the self-tolerance of developing NK cells. 2B4 also inhibits inflammatory responses in dendritic cells. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	~23 kDa
AA Sequence	CQGSADHVVSISGVPLQLQPNSIQTKVDSIAWKKLLPSQNGFHHILKWENGSLPSNT SNDRFSFIVKNLSLLIKAAQQQDSGLYCLEVTSISGKVQTATFQVFVFESLLPDKVEK PRLQGQGKILDRGRCQVALSCLVSRDGNVSYAWYRGSKLIQTAGNLTYLDEEVDIN GTHTYTCNVSNPVSWESHTLNLTQDCQNAHQEFRFWP

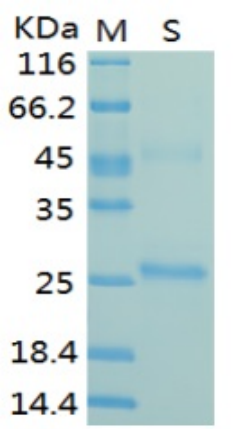
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Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name	CD244 CD244 molecule, natural killer cell receptor 2B4 [Homo sapiens (human)]
Official Symbol	CD244
Synonyms	CD244; CD244 molecule, natural killer cell receptor 2B4; CD244 natural killer cell receptor 2B4 , natural killer cell receptor 2B4; natural killer cell receptor 2B4; 2B4; NAIL; NKR2B4; Nmrk; SLAMF4; h2B4; NK cell activation-inducing ligand; NK cell type I receptor protein 2B4; NK cell activation inducing ligand NAIL;
Gene ID	51744
mRNA Refseq	NM_001166663
Protein Refseq	NP_001160135
MIM	605554

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UniProt ID	Q9BZW8
SDS-PAGE	 SDS-PAGE Result

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