

## Recombinant Human CD244 Protein, Fc-tagged

**Cat. No.** CD244-578H    **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview**      Recombinant human CD244 protein with Fc tag was expressed in HEK293.

**Species**                      Human

**Source**                        HEK293

**ProteinLength**              370

**Description**                This gene encodes a cell surface receptor expressed on natural killer (NK) cells (and some T cells) that mediate non-major histocompatibility complex (MHC) restricted killing. The interaction between NK-cell and target cells via this receptor is thought to modulate NK-cell cytolytic activity. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

**Form**                            Lyophilized

**Molecular Mass**            48.9 kDa

**AA Sequence**

```
MLGQVVTLILLLLKVVYQGKGCQGSADHVVSISGVPLQLQPNSIQTKVDSIAWKLLP
SQNGFHHILKWENGLSPSNTSNDRFSFIVKNLSLLIKAAQQQDGLYCLEVTSISGKV
QTATFQVVFESLLPDKVEKPRLQGQGGKILDRGRCQVALSCLVSRDGNVSYAWYRG
SKLIQTAGNLTYLDEEVDINGTHTYTCNVSNPVSWEHTLNLTQDCQNAHQEFRFW
PFLVIVILSALFLGTLACFCVWRRKRKEKQSETSPKEFLTIYEDVKDLKTRRNHEQEQ
TFPGGGSTIYSMIQSQSSAPTSQEPAYTLYSLIQPSRKSGSRKRNHSPSFNSTIYEVI
GKSQPKAQNPALRSRKELENFDVYS
```

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<b>Purity</b>	> 98%
<b>Applications</b>	WB; ELISA; FACS; FC
<b>Stability</b>	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
<b>Storage</b>	At -20 centigrade.
<b>Concentration</b>	1 mg/mL
<b>Storage Buffer</b>	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
<b>Reconstitution</b>	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

<b>Gene Name</b>	CD244 CD244 molecule, natural killer cell receptor 2B4 [ Homo sapiens (human) ]
<b>Official Symbol</b>	CD244
<b>Synonyms</b>	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;
<b>Gene ID</b>	51744

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mRNA Refseq	NM_001166663
Protein Refseq	NP_001160135
MIM	605554
UniProt ID	Q9BZW8

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