

# Recombinant Human CD244 Protein, His-tagged, Alexa Fluor 488 conjugated

**Cat. No.** CD244-903HAF488    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Alexa Fluor 488 conjugated recombinant human CD244 (NP_057466.1) extracellular domain (Met 1-Arg 221), fused with a polyhistidine tag at the C-terminus, was produced in Human Cell.                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 211                                                                                                                                                                                                                          |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | The recombinant 2B4 comprises 211 amino acids and predicts a molecular mass of 23.8 kDa. As a result of glycosylation, the rh 2B4 protein migrates as an approximately 45-50 kDa band in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                 |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 488 via amines<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm                                                                                    |
| <b>Stability</b>        | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                                                                               |

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|                       |                                                                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.       |
| <b>Storage Buffer</b> | Lyophilized from sterile PBS, pH 7.4                                                                                                                                      |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| <b>Conjugation</b>    | Alexa Fluor 488                                                                                                                                                           |

## GENE INFORMATION

|                        |                                                                         |
|------------------------|-------------------------------------------------------------------------|
| <b>Gene Name</b>       | CD244 CD244 molecule, natural killer cell receptor 2B4 [ Homo sapiens ] |
| <b>Official Symbol</b> | CD244                                                                   |
| <b>Gene ID</b>         | 51744                                                                   |
| <b>mRNA Refseq</b>     | NM_001166663                                                            |
| <b>Protein Refseq</b>  | NP_001160135                                                            |
| <b>MIM</b>             | 605554                                                                  |
| <b>UniProt ID</b>      | Q9BZW8                                                                  |

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