

Datasheet for ABIN2180732  
**2B4 Protein (AA 22-221) (Fc Tag)**

## 2 Images

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## Overview

Quantity:	100 µg
Target:	2B4 (CD244)
Protein Characteristics:	AA 22-221
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This 2B4 protein is labelled with Fc Tag.

## Product Details

Sequence:	AA 22-221
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 48.9 kDa. As a result of glycosylation, the protein migrates as 65-80 kDa under reducing (R) condition, and 130-160 kDa under non-reducing (NR) condition (SDS-PAGE).
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

## Target Details

Target:	2B4 (CD244)
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## Target Details

Alternative Name: 2B4 ([CD244 Products](#))

Background: Natural killer cell receptor 2B4 is also known as NK cell type I receptor protein 2B4 (NKR2B4 or h2B4), SLAM family member 4 (SLAMF4), Signaling lymphocytic activation molecule 4, CD antigen CD244. NKR2B4 / CD244 contains two Ig-like (immunoglobulin-like) domains. CD244 is expressed in spleen, PBL, followed by lung, liver, testis and small intestine. CD244 interacts with CD48. Following phosphorylation, CD244 is able to recruit PTPN11/SHP-2 and SH2D1A/SAP. SLAMF4 modulate other receptor-ligand interactions to enhance leukocyte activation. CD244/2B4 is the only heterophilic receptor of SLAM family.

Molecular Weight: 48.9 kDa

NCBI Accession: [NP\\_057466](#)

## Application Details

Restrictions: For Research Use only

## Handling

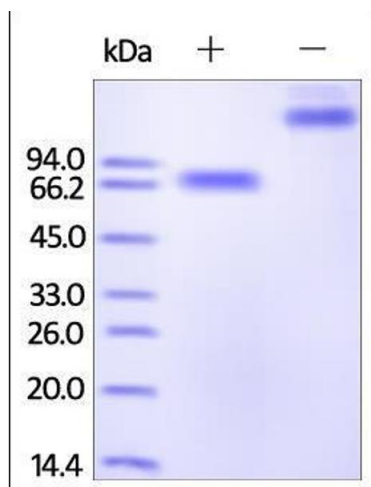
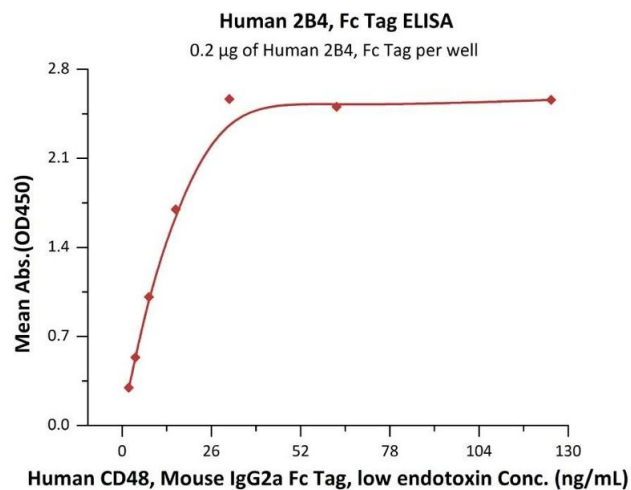
Format: Lyophilized

Buffer: 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH 7.5

Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).



**ELISA**

**Image 1.** Immobilized Human 2B4, Fc Tag (ABIN2180733,ABIN2180732) at 2 µg/mL (100 µL/well) can bind Human CD48, Mouse IgG2a Fc Tag, low endotoxin (ABIN5955000,ABIN6253578) with a linear range of 2-16 ng/mL (QC tested).

**SDS-PAGE**

**Image 2.**