

Human CellExp CD244 / 2B4 / SLAMF4, human recombinant protein
CD244, 2B4, SLAMF4, NKR2B4, NAIL, h2B4
Catalog # PBV10997r**Specification****Human CellExp CD244 / 2B4 / SLAMF4, human recombinant protein - Product info**Primary Accession
Calculated MW[O9BZW8](#)

This protein is fused with polyhistidine tag at the C-terminus, and has a calculated MW of 23.1 kDa. The predicted N-terminus is Cys 22. DTT-reduced Protein migrates as 40-50 kDa due to glycosylation. KDa

Human CellExp CD244 / 2B4 / SLAMF4, human recombinant protein - Additional InfoGene ID
Gene Symbol51744
CD244**Other Names**

CD244, 2B4, SLAMF4, NKR2B4, NAIL, h2B4

Gene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Results

Human
HEK293 cells
SDS-PAGE; ≥95%
N/A;
Yes
Measured by its binding ability in a functional ELISA. Immobilized rh CD244 / 2B4 at 2 µg/ml (100 µl/well) can bind human CD48. The EC50 of human CD48 is 0.39 µg/ml.

Target/Specificity
CD244/2B4/SLAMF4**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format
Lyophilized**Storage**
-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.**Human CellExp CD244 / 2B4 / SLAMF4, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp CD244 / 2B4 / SLAMF4, human recombinant protein - Images

Human CellExp CD244 / 2B4 / SLAMF4, human recombinant protein - 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 contain 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.

Human CellExp CD244 / 2B4 / SLAMF4, human recombinant protein - References

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Kubin M.Z.,et al.Eur. J. Immunol. 29:3466-3477(1999).
Tangye S.G.,et al.J. Immunol. 162:6981-6985(1999).
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