

# Recombinant Human SLAMF4/2B4/CD244 Protein

Catalog No.: RP00167 Recombinant 1 Publications

### **Sequence Information**

**Species Gene ID Swiss Prot** Human 51744 Q9BZW8

**Tags** C-hFc&His

**Synonyms** 

CD244;2B4;NAIL;NKR2B4;Nmrk;SLAMF4

### **Product Information**

SourcePurificationHEK293 cells≥ 95 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

48.89 kDa 70-90 kDa

#### **Endotoxin**

< 0.1 EU/ $\mu$ g of the protein by LAL method.

#### Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

#### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

### Contact

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### **Background**

Cluster of differentiation 24, also known as signal transducer CD24 or heat stable antigen CD24 (HSA), is a mucin-type glycosylphosphatidylinositol-linked glycoprotein expressed on the surface of B-cells, differentiating neuroblasts and many tumors. It is involved in molecular adhesion and metastatic tumor spread and serve as a normal receptor for P-selectin. The CD24 / P-selectin pathway could be important in dissimenating of tumor cells by facilitating the interaction with platelet and endothelial cells. It has also been considered as a tumor marker. High rate of CD24 expressions have been found in epithelial ovarian cancer, breast cancer, non-small cell lung cancer, prostate cancer and pancreatic cancer.

### **Basic Information**

### **Description**

Recombinant Human SLAMF4/2B4/CD244 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Cys22-Arg221) of human 2B4/SLAMF/CD244 (Accession #NP\_057466.1) fused with an Fc, 6×His tag at the Cterminus.

#### **Bio-Activity**

Measured by its binding ability in a functional ELISA. Immobilized recombinant human CD48 at 5  $\mu$ g/mL (100  $\mu$ L/well) can bind recombinant human CD244 with a linear range of 0.2-1  $\mu$ g/mL.

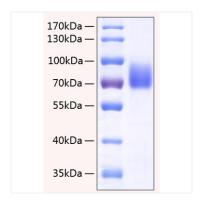
#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

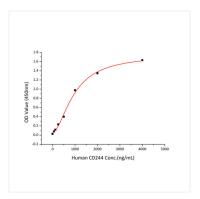
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## **Validation Data**



Recombinant Human SLAMF4/2B4/CD244 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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