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Datasheet for ABIN7534137
2B4 Protein (Fc Tag,His tag)

Overview

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

Product Details

Purpose:	Active Recombinant Human SLAMF4/2B4/CD244 Protein
Sequence:	CQGSADHVVS ISGVPLQLQP NSIQTKVDSI AWKLLPSQN GFHHILKWEN GSLPSNTSND RFSFIVKNLS LLIKAAQQQD SGLYCLEVTS ISGKVQTATF QVFVFDKVEK PRLQGQGKIL DRGRCQVALS CLVSRDGNVS YAWYRGSKLI QTAGNLTYLD EEVDINGTHT YTCNVSNPVS WESHTLNLTQ DCQNAHQEFR
Specificity:	Cys22-Arg221
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized recombinant human CD48 at 5 µg/mL (100 µL/well) can bind recombinant human CD244 with a linear range of 0.2-1 µg/mL.

Target Details

Target:	2B4 (CD244)
Alternative Name:	SLAMF4/2B4/CD244 (CD244 Products)
Background:	<p>Description: 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 dissiminating 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.</p> <p>Name: CD244,2B4,NAIL,NKR2B4,Nmrk,SLAMF4</p>
Gene ID:	51744
UniProt:	Q9BZW8

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
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 stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	<p>Store the lyophilized protein at -20°C to -80 °C for long term.</p> <p>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.</p>