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Recombinant human 2B4/CD244 protein

Catalog Number: ATGP3552

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

19-224aa

UniProt No.

O9BZW8

NCBI Accession No.

NP 057466.1

Alternative Names

CD244 molecule natural killer cell receptor 2B4, NAIL, NKR2B4, Nmrk, SLAMF4

PRODUCT SPECIFICATION

Molecular Weight

50.2 kDa (448aa)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Biological Activity

Measured by its binding ability in a functional ELISA with Human CD48/SLAMF2 (CAT# ATGP3642). The ED50 range ≤ 0.1 ug/ml.

Tag

hlgG-His-Tag

Application

SDS-PAGE, Bioactivity

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND



Recombinant human 2B4/CD244 protein

Catalog Number: ATGP3552

Description

CD244, also known as natural killer cell receptor 2B4 isoform 1, is a natural killer and T cell immunoglobulin superfamily surface protein and ligand of CD48. It is a cell surface glycoprotein related to CD2 and implicated in the regulation of natural killer and T lymphocyte function. It is expressed on all human NK cells, a subpopulation of T cells, basophils and monocytes. It activates NK cell mediated cytotoxicity, induces secretion of IFN-gamma and matrix metalloproteinases, and NK cell invasiveness. Recombinant human CD244, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

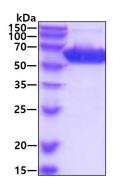
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General References

Brown MH., et al. (1998) J Exp Med. 188:2083-2090. Chuang SS., et al. (2001) J Immunol. 167:6210-6216.

DATA

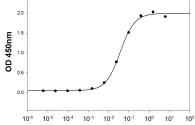
SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

Biological Activity





Human CD244 (ug/ml)

Human CD48/SLAMF2 (CAT# ATGP3642) is coated at 2 ug/ml (100 ul/well) can bind Human CD244. The ED50 range \leq 0.1 ug/ml.

