

Recombinant human 2B4/CD244 protein

Catalog Number: ATGP1663

PRODUCT INFORMATION

Expression system

E.coli

Domain

19-224aa

UniProt No.

Q9BZW8

NCBI Accession No.

NP_057466

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

25.5 kDa (230aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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

Description

CD244 (Natural Killer Cell Receptor 2B4), also known as Cluster of Differentiation 244, contains 2 Ig-like (immunoglobulin-like) domains. A role for the subtypes of CD2 Ig superfamily receptors has been recently demonstrated in eosinophilic inflammation in experimental asthma and atopic asthmatics. Functions of CD244 molecules are in eosinophil adhesion and chemotaxis, and correlated the results to the pathophysiology of allergic rhinitis (AR). The cluster of differentiation (cluster of designation) (often abbreviated as CD) is a protocol used for the identification and investigation of cell surface molecules present on white blood cells initially but

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found in almost any kind of cell of the body, providing targets for immunophenotyping of cells. Recombinant human CD244 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSHGKGCQG SADHVVSISG VPLQLQPNSI QTKVDSIAWK KLLPSQNGFH HILKWENGL
PSNTSNDRFS FIVKNLSLLI KAAQQQDSSL YCLEVTSISG KVQTATFQVF VFDKVEKPRL QGQGKILDRG RCQVALSCLV
SRDGNVSYAW YRGSKLIQTA GNLTYLDEEV DINGTHTYTC NVSNPVSWES HTLNLTQDCQ NAHQEFRFWP

General References

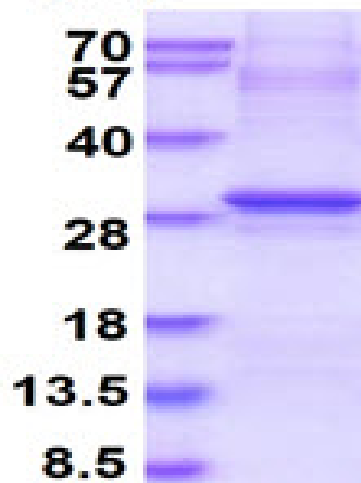
Nakajima H., et al. (1999) Eur. J. Immunol. 29:1676-1683

Zola H, et al. (2007). J Immunol Methods. 318 (1-2): 1-5.

DATA

SDS-PAGE

(kDa)



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

15% SDS-PAGE (3ug)