Human 2B4 / CD244 (Fc Tag) recombinant protein

Catalog Number: 502133

General Information

Gene Name Synonym

NK cell activation-inducing ligand; NK cell type I receptor protein 2B4; SLAM family member 4; Signaling lymphocytic activation molecule 4

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Arg221) of human 2B4 / CD244 (NP_057466.1) precursor was expressed with the C-terminal fused Fc region of human IgG1.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA. Immobilized human CD48 at 10 μg/ml (100 μl/well) can bind recombinant human 2B4 / CD244 with a linear range of 0.004-0.4 μg/ml.
2. Measured by its ability to bind biotinylated mouse CD48 in a functional ELISA.

Purity

> 97 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70℃

Predicted N terminal

Cys 22

Molecular Mass

The recombinant 2B4/CD244/Fc chimera is a disulfide-linked homodimer. The reduced monomer comprises 438 amino acids and predicts a molecular mass of 49 kDa. As a result of glycosylation, the rh2B4/CD244/Fc monomer migrates as an approximately 70-80 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

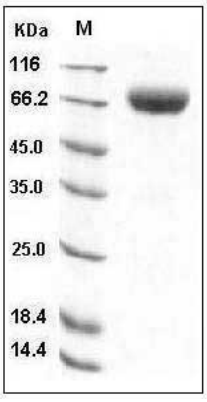
Storage

Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human 2B4 / SLAMF / CD244 Protein (Fc Tag)

SDS-PAGE