

Marmoset IL-23 (IL23A & IL12B Heterodimer) Protein

Catalog Number: CT037-C08H



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

IL23

Protein Construction:

A DNA sequence encoding the marmoset IL23A (Met 1-Pro 189) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the marmoset IL12B (Met 1-Asn328) was expressed with a polyhistidine tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the marmoset IL23A & the marmoset IL12B heterodimer was purified.

Source: Marmoset

Expression Host: HEK293 Cells

QC Testing

Purity: > 85 % as determined by SDS-PAGE

Bio Activity:

Measured by its binding ability in a functional ELISA. Immobilized marmoset IL23A-His+marmoset IL12B-His (Cat:CT037-C08H) at 10 µg/ml (100 µl/well) can bind biotinylated human IL12RB1-His (Cat:11674-H08H). The EC₅₀ of biotinylated human IL12RB1-His (Cat:11674-H08H) is 55-129 µg/ml.

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 °C

Predicted N terminal: Arg 20 & Ile 23

Molecular Mass:

The recombinant marmoset IL23A & the marmoset IL12B comprises 498(181+317) amino acids and has a calculated molecular mass of 56.4 (20.1+36.3) KDa. The apparent molecular mass of the marmoset IL23A & the marmoset IL12B heterodimer is approximately 22 & 45 KDa respectively in SDS-PAGE.

Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

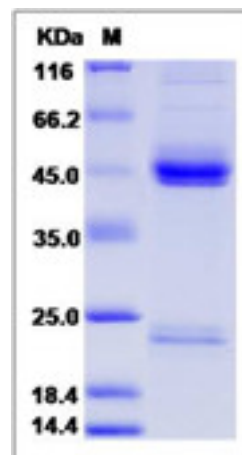
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



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