

# Recombinant Cynomolgus IL-23A&Mouse IL-12B Protein

Catalog No.: RP02725 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus &Mouse	16160&1021 28555	A0A2K5TLV4- 1(Cynomolgu s IL-23 alpha)&P434 32-1(Mouse IL-12 beta)

## Tags

N-His

## Synonyms

IL23 alpha; IL12 beta; IL23 alpha&IL12 beta

## Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris- Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW	Observed MW
19.5 kDa(Cynomolgus IL-23 alpha), 35.8 kDa(Mouse IL-12 beta)	22 kDa(Cynomolgus IL23 alpha), 40-50 kDa(Mouse IL12 beta)

## Endotoxin

< 1 EU/μg of the protein by LAL method.

## Formulation

### Reconstitution

Centrifuge the tube 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.

## Background

Interleukin (IL)-12 and IL-23 belong to the IL-12 type family and are composite cytokines, consisting of the common β subunit p40 and the specific cytokine α subunit p35 and p19, respectively. IL-12 signals via the IL-12Rβ1·IL-12Rβ2 receptor complex, and IL-23 uses also IL-12Rβ1 but engages IL-23R as second receptor.

## Basic Information

### Description

Recombinant Cynomolgus IL-23A&Mouse IL-12B Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val22-Pro189(Cynomolgus IL-23A)&Met23-Ser335(Mouse IL-12B)) of cynomolgus IL-23A&mouse IL-12B (Accession #A0A2K5TLV4-1(Cynomolgus IL-23A)&P43432-1(Mouse IL-12B)) fused with His tag at the N-terminus.

### Bio-Activity

### Storage

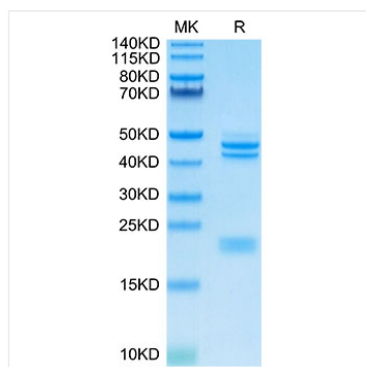
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.  
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.  
Avoid repeated freeze/thaw cycles.

Contact

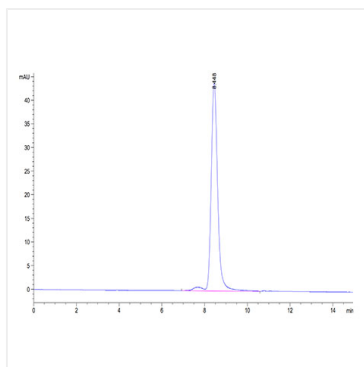
☎		400-999-6126
✉		<a href="mailto:cn.market@abclonal.com.cn">cn.market@abclonal.com.cn</a>
🌐		<a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>

\* 本文件内容仅供参考，不作为任何法律文件使用。

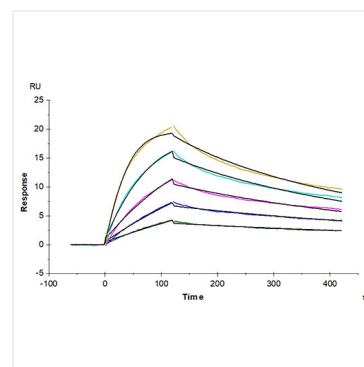
## Validation Data



Recombinant Cynomolgus IL-23A&Mouse IL-12B Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Cynomolgus IL-23 alpha&Mouse IL-12 beta is greater than 95% as determined by SEC-HPLC.



Cynomolgus IL-23R, His Tag immobilized on CM5 Chip can bind Cynomolgus IL-23 alpha&Mouse IL-12 beta, His Tag with an affinity constant of 3.90 nM as determined in SPR assay (Biacore T200).