

# Cynomolgus IL-12B/p40/NKSF2 Protein

Cat. No. P40-CM112

## Description

<b>Source</b>	Recombinant Cynomolgus IL-12B/p40/NKSF2 Protein is expressed from Expi293 with His tag at the C-terminal. It contains Ile23-Ser328.
<b>Accession</b>	A0A2K5TM36
<b>Molecular Weight</b>	The protein has a predicted MW of 35.86 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE

## Formulation and Storage

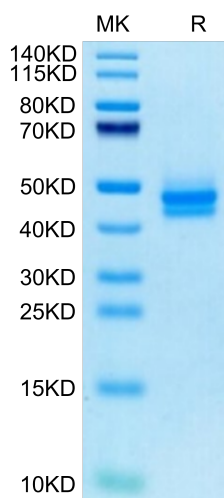
<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
<b>Storage</b>	Valid for 12 months from date of receipt when stored at $-80^{\circ}\text{C}$ . Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

## Background

Interleukin (IL)12B, which encodes the p40 subunit common to IL12 and IL23, as one of the genes for which expression in fibroblastlike synoviocytes from patients with rheumatoid arthritis (RAFLS) is induced by DcR3. Decoy receptor 3 (DcR3) competitively binds to three ligands, Fas ligand, lymphotoxinrelated inducible ligand that competes for glycoprotein D binding to herpesvirus entry mediator on T cells and tumor necrosis factorlike ligand 1A (TL1A), to prevent their effects. Recent studies have suggested that DcR3 directly affects cells as a ligand.

## Assay Data

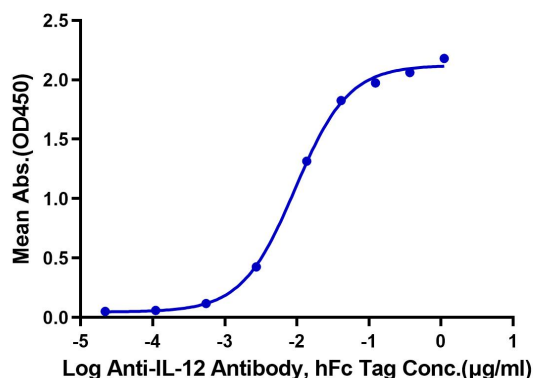
### Tris-Bis PAGE



Cynomolgus IL-12B on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

**Cynomolgus IL-12B, His Tag ELISA**  
0.02 $\mu\text{g}$  Cynomolgus IL-12B, His Tag Per Well



Immobilized Cynomolgus IL-12B, His Tag at 0.2 $\mu\text{g}/\text{ml}$  (100 $\mu\text{l}/\text{well}$ ) on the plate. Dose response curve for Anti-IL-12 Antibody, hFc Tag with the EC50 of 9.5ng/ml determined by ELISA.