

Recombinant Cynomolgus IL12A & IL12B cell lysate

Cat. No. IL12A & IL12B-001CCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Cynomolgus / Rhesus IL12A & IL12B Heterodimer derived in Human Cells. The whole cell lysate is provided in 1X Sample Buffer.
Species	Cynomolgus
Source	Human Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add

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	reducing agent prior to heating.
Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	IL12A interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35) [<i>Macaca fascicularis</i>]; IL12B interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40) [<i>Macaca fascicularis</i>]
Official Symbol	IL12A; IL12B
Synonyms	interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35); interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40); hypothetical protein; interleukin 12 p40 subunit; interleukin 23 p40 subunit
Gene ID	102115316 ; 102124858
mRNA Refseq	XM_005546243 ; NM_001287275
Protein Refseq	XP_005546300 ; NP_001274204

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**Chromosome
Location**

chromosome: 2; chromosome: 6

Pathway

African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem. Chagas disease (American trypanosomiasis), conserved biosystem; Inflammatory bowel disease (IBD), organism-specific biosystem; Influenza A, conserved biosystem

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