

Datasheet for ABIN7536200

IL12 Protein



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Overview

Quantity:	100 µg
Target:	IL12
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Active Recombinant Mouse IL-12A&IL-12B Protein
Sequence:	RVIPVSGPAR CLSQSRNLLK TTDDMVKTAR EKLKHYSCTA EDIDHEDITR DQTSTLKTCL PLELHKNESE LATRETSSTT RGSCLPQKT SLMMTLCLGS IYEDLKMYQT EFQAINAALQ NHNHQQIILD KGMLVAIDEL MQSLNHNGET LRQKPPVGEA DPYRVKMKLC ILLHAFSTRV VTINRVMGYL SSA&MWELEKDVYV VEVDWTPDAP GETVNLTCDT PEEDDITWTS DQRHGVIGSG KTLTITVKEF LDAGQYTCHK GGETLSHSHL LLHKKENGIW STEILKNFKN KTLKCEAPN YSGRFTCSWL VQRNMDLKFN IKSSSSSPDS RAVTCGMASL SAEKVTL DQR DY EKYSVSCQ EDVTCPTAEE TLPIELALEA RQQNKYENYS TSFFIRDIK PDPPKNLQMK PLKNSQVEVS WEYPDSWSTP HSYFSLKFFV RIQRKKEKMK ETEEGCNQKG AFLVEKTSTE VQCKGGNVCV QAQDRYYNSS CSKWACVPCR VRS
Specificity:	Arg23-Ala215, Met23-Ser335
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1 EU/µg

Product Details

Biological Activity Comment: 1.Measured by its binding ability in a functional ELISA.Immobilized Mouse IL-12A&IL-12B at 5 µg/mL (100 µL/well) can bind Human IL12RB1 with a linear range of 0.001-3.3 ng/mL.2.Active Recombinant Mouse IL-12(Cat. RP01691)induces the mouse T cells differentiate into Th1 cells. Flow cytometry was used to detect the expression of IFN-γ. Result showed that Th1 cells were induced successfully.(Customer Feedback Data).

Target Details

Target:	IL12
Alternative Name:	IL-12A&IL-12B (IL12 Products)
Background:	Description: Interleukin 12 (IL-12) is a pleiotropic cytokine that plays an essential role in Th1-type immune response against cancer, a condition where cells in a particular part of the body grow and reproduce uncontrollably. Name: p35, LI12a, IL-12a, IL-12p35&p40, IL-12b, IL12p40, IL-12p40,IL-12&IL12b,IL-12p70(IL12A&IL12B)
Gene ID:	16159
UniProt:	P43431 , P43432
Pathways:	JAK-STAT Signaling , TLR Signaling , Cellular Response to Molecule of Bacterial Origin , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Activated T Cell Proliferation , Cancer Immune Checkpoints , Inflammasome

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial 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.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C

Handling

Storage Comment: Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.