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Datasheet for ABIN7320573 **IL12 Protein**

Image



Overview

Quantity:	50 µg
Target:	IL12
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Mouse Interleukin-12/IL-12 Protein
Sequence:	Met23-Ser335&Arg23-Ala215
Characteristics:	Recombinant Mouse Interleukin-12 is produced by our Mammalian expression system and the target gene encoding Met23-Ser335&Arg23-Ala215 is expressed.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per μ g as determined by the LAL method.

Target Details

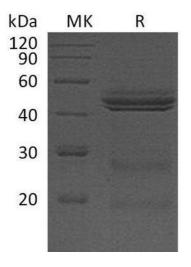
Target:	IL12
Alternative Name:	Interleukin-12/IL-12 (IL12 Products)
Background:	Background: Mouse IL-12 is a heterodimeric pleiotropic cytokine made up of a 40 kDa (p40)
	subunit and a 35 kDa (p35) subunit. Human and mouse IL-12 share 70 % and 60 % amino acid
	sequence identity in their p40 and p35 subunits, respectively. While mouse IL-12 is active on
	both human and mouse cells, human IL-12 is not active on murine cells. It is involved in the

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	differentiation of naive T cells into Th1 cells. It is known as a T cell-stimulating factor, which can
	stimulate the growth and function of T cells. It stimulates the production of interferon-gamma
	(IFN- γ) and tumor necrosis factor-alpha (TNF- α) from T cells and natural killer (NK) cells, and
	reduces IL-4 mediated suppression of IFN- γ . T cells that produce IL-12 have a coreceptor,
	CD30, which is associated with IL-12 activity. IL-12 plays an important role in the activities of
	natural killer cells and T lymphocytes.IL-12 mediates enhancement of the cytotoxic activity of
	NK cells and CD8+ cytotoxic T lymphocytes.
	Synonym: IL-12, Interleukin 12, Interleukin-12 subunit alpha,IL-12A,Cytotoxic lymphocyte
	maturation factor 35 kDa subunit,CLMF p35,IL-12 subunit p35,Interleukin-12 subunit beta, IL-
	12B, Cytotoxic lymphocyte maturation factor 40 kDa subunit, CLMF p40, IL-12 subunit p40,
Molecular Weight:	35.8&21.7 kDa
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:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted
	samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.

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