antibodies - online.com







IL-22 Protein





Overview

Quantity:	100 μg
Target:	IL-22 (IL22)
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Recombinant Mouse Interleukin-22/IL-22 Protein (Active)
Sequence:	Leu34-Val179
Characteristics:	Recombinant Mouse Interleukin-22 is produced by our E.coli expression system and the target gene encoding Leu34-Val179 is expressed.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to induce IL-10 secretion in COLO 205 human colorectal adenocarcinoma cells. The ED50 for this effect is 281.45 pg/mL.

Target Details

Target:	IL-22 (IL22)
Alternative Name:	Interleukin-22/IL-22 (IL22 Products)

Target Details

Bac	kara	ound:

Background: Interleukin-22 (IL-22) was initially identified as a gene induced by IL-9 in mouse T cells and mast cells. Mouse IL-22 cDNA encodes a 179 amino acid residue protein with a putative 33 amino acid signal peptide that is cleaved to generate a 147 amino acid mature protein that shares approximately 79 % and 22 % sequence identity with human IL22 and IL10, respectively. IL22 has been shown to activate STAT-1 and STAT-3 in several hepatoma cell lines and up-regulate the production of acute phase proteins. IL-22 is produced by normal mouse T cells upon Con A activation. Mouse IL-22 expression is also induced in various organs upon lipopolysaccharide injection, suggesting that IL-22 may be involved in inflammatory responses. The functional IL-22 receptor complex consists of two receptor subunits, IL-22R (previously an orphan receptor named CRF2-9) and IL-10Rβ (previously known as CRF2-4), belonging to the class II cytokine receptor family. Synonym: Interleukin-22, IL-22, IL-10-Related T-Cell-Derived-Inducible Factor, IL-TIF, IL-TIF

Alpha, Interleukin-22a, IL-22a, Il22, Il22a, Iltif, Iltifa

Molecular Weight:

16.7 kDa

UniProt:

Q9JJY9

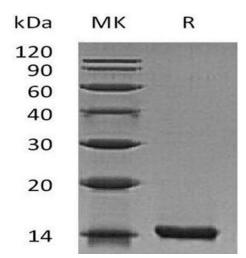
Application Details

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 20 mM PB, 150 mM NaCl, pH 7.0.	
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.