IL-22 Monoclonal Antibody(Capture)

catalog number: AN001240P

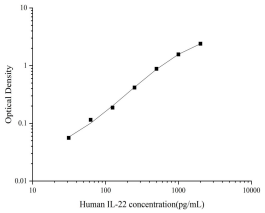
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant Human IL-22 protein expressed by Mammalian
Host	Mouse
Isotype	Mouse IgG1
Clone	8H8
Purification	Protein A/G Purification
Buffer	Phosphate buffered solution, pH 7.2, containing 0.05% Proclin300.

Applications	Recommended Dilution
ELISA Capture	2-8 μg/mL

Data



Sandwich ELISA-Recombinant Human IL-22 protein standard curve.Background subtracted standard curve using IL-22 antibody(AN001240P)(Capture),IL-22 antibody(AN001250P)(Detector) in sandwich ELISA.The reference range value for Recombinant Human IL-22 protein is 31.25-2000 pg/mL.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

Toll-free: 1-888-852-8623
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Interleukin-22 (Il-22),also known as Il-10-related T cell-derived inducible factor (Il-TIF) 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 (aa) residue protein with a putative 33 aa signal peptide that is cleaved to generate a 147 aa mature protein that shares approximately 79% and 22% aa sequence identity with human Il-22 and Il-10,respectively. The mouse Il-22 gene is localized to chromosome 10. Although it exists as a single copy gene in many mouse strains,the Il-22 gene is duplicated in some mouse strains including C57B1/6,FVB and 129. The two mouse genes designated Il-TIF alpha and Il-TIF beta,share greater than 98% sequence homology in their coding region. Il-22 has been shown to activate STAT1 and STAT3 in several hepatoma cell lines and upregulate 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-22 R (previously an orphan receptor named CRF2-9) and Il-10 R beta (previously known as CRF2-4), belonging to the class II cytokine receptor family.

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