

Datasheet for ABIN6719333
anti-IL-22 antibody (AA 34-179)



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Overview

Quantity:	100 µg
Target:	IL-22 (IL22)
Binding Specificity:	AA 34-179
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IL-22 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-IL22 Antibody Picoband® (monoclonal, 7F2)
Immunogen:	E. coli-derived human IL-22 recombinant protein (Position: A34-I179). Human IL-22 shares 81.4% amino acid (aa) sequence identity with mouse IL-22.
Clone:	7F2
Isotype:	IgG1
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-IL22 Antibody Picoband® (monoclonal, 7F2) (ABIN6719333). Tested in Flow Cytometry, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: IL-22 (IL22)

Alternative Name: IL22 ([IL22 Products](#))

Background: Synonyms: Interleukin-22, IL-22, Cytokine Zcyto18, IL-10-related T-cell-derived-inducible factor, IL-TIF, IL22, ILTIF, ZCYTO18, UNQ3099/PRO10096

Background: Interleukin-22 (IL-22), also known as ILTIF, is protein that in humans is encoded by the IL22 gene. IL-22 a member of a group of cytokines called the IL-10 family or IL-10 superfamily, a class of potent mediators of cellular inflammatory responses. Using FISH, the IL22 gene is mapped to chromosome 12q15, close to the IFNG and the herpesvirus saimiri-induced AK155 genes. IL-22 can contribute to immune disease through the stimulation of inflammatory responses, S100s and defensins. It also promotes hepatocyte survival in the liver and epithelial cells in the lung and gut similar to IL-10. In some contexts, the pro-inflammatory versus tissue-protective functions of IL-22 are regulated by the often co-expressed cytokine IL-17A.

Molecular Weight: 24 kDa

Gene ID: 50616

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL

Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells

1. Dumoutier, L., Van Roost, E., Ameye, G., Michaux, L., Renauld, J.-C. IL-TIF/IL-22: genomic organization and mapping of the human and mouse genes. Genes Immunity 1: 488-494, 2000.
2. Moore KW, de Waal Malefyt R, Coffman RL, O'Garra A (2001). "Interleukin-10 and the interleukin-10 receptor". Annu. Rev. Immunol. 19: 683-765.

Comment: Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.