

Datasheet for ABIN2660790

anti-IL-22 antibody (AA 34-179) (Biotin)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	IL-22 (IL22)
Binding Specificity:	AA 34-179
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This IL-22 antibody is conjugated to Biotin
Application:	Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunoprecipitation (IP), Immunofluorescence (IF)

Product Details

Immunogen:	AA 34-179 (Accession# NM_016971), was expressed in E. coli.
Clone:	Poly5164
Isotype:	Ig Fraction, IgG
Purification:	The antibody was purified by affinity chromatography and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

Target Details

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

Target Details

Background:	IL-22 is a cytokine structurally related to IL-10. Mouse IL-22 consists of 179 amino acids and has a predicted molecular weight of 20 kD. It is secreted primarily by Th17, Th1, Th2, lymphoid tissue inducer cells (LTi), and subsets of natural killer cells. It has been reported that aryl hydrocarbon receptor (AhR) expression is essential for the production of IL-22 by TCR $\gamma\delta$ T cells. AhR activation increases Th17 polarization and induces IL-22 production. IL-22 functions by engaging the heterodimeric IL-22 receptor (IL-22R) complex, consisting of two receptor subunits, IL-22R1 and IL-10R β . IL-22 acts on nonhematopoietic tissue cells, such as epithelial cells of the digestive and respiratory systems and keratinocytes of the skin. IL-22 is involved in inflammatory processes such as dermal inflammation, psoriasis, inflammatory bowel disease, hepatitis, and Crohn's disease. Moreover, it plays a critical role in mucosal immunity and the wound healing process.
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Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	0.2 mg/mL
Buffer:	Phosphate-buffered solution, pH 7.2, containing 1 % BSA and 0.09 % 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.
Handling Advice:	Do not freeze.
Storage:	4 °C
Storage Comment:	The antibody solution should be stored undiluted between 2°C and 8°C.