

Product datasheet for **AP01129BT-N**

IL19 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: Direct: To detect hIL-19 by direct ELISA (using 100 µl/well antibody solution) a concentration of 0.25 - 1.0 µg/ml of this antibody is required. In conjunction with compatible secondary reagents, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIL-19. Sandwich: To detect hIL-19 by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.25 - 1.0 µg/ml of this antibody is required. In conjunction with Polyclonal Anti-Human IL-19 as a capture antibody, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIL-19. Western Blot: To detect hIL-19 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hIL-19 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (> 98 %) recombinant human IL-19
Specificity:	This antibody detects Interleukin-19.
Formulation:	PBS, pH 7.2 Label: Biotin State: Sterile filtered lyophilized Ig fraction
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile PBS containing 0.1 % BSA to a concentration of 0.1 - 1.0 mg/ml.
Purification:	Affinity chromatography
Conjugation:	Biotin
Storage:	Store the lyophilized antibody at -20 °C. Following reconstitution it is stable for two weeks at 2 - 8 °C. Frozen aliquots are stable for 6 months when stored at -20 °C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.



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Gene Name: interleukin 19

Database Link: [Entrez Gene 29949 Human Q9UHD0](#)

Background: IL19 is a cytokine that belongs to the IL10 cytokine subfamily. This cytokine is found to be preferentially expressed in monocytes. It can bind the IL20 receptor complex and lead to the activation of the signal transducer and activator of transcription 3 (STAT3). A similar cytokine in mouse is reported to up-regulate the expression of IL6 and TNF-alpha and induce apoptosis, which suggests a role of this cytokine in inflammatory responses. Little is known about the biologic function and gene regulation of IL19. Alternatively spliced transcript variants encoding distinct isoforms have been described.

Synonyms: IL-19, NG.1, ZMDA

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway