

Product datasheet for **AP01129PU-N**

IL19 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Sandwich ELISA: Using 100 µl/well antibody solution, a concentration of 0.5-2.0 µg/ml is required. In conjunction with Biotinylated Anti-Human IL19 (Cat.-No. AP01129BT) as a detection antibody, it allows the detection of at least 0.2-0.4 ng/well of recombinant Human IL-19 Western Blot: 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant IL-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%) E.coli derived recombinant Human IL-19
Specificity:	This antibody detects Interleukin-19.
Formulation:	PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized (sterile filtered) purified Ig fraction.
Reconstitution Method:	Restore in sterile water to a concentration of 0.1 - 1.0 mg/ml.
Purification:	Affinity Chromatography employing immobilized Human IL19 matrix.
Conjugation:	Unconjugated
Storage:	Store the lyophilized antibody at -20°C. Following reconstitution, the product is stable at 2-8°C for up one week or (in aliquots) at -20°C for up to six months. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 19
Database Link:	Entrez Gene 29949 Human Q9UHD0



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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
Note:	Centrifuge vial prior to opening!
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway