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IL-19 Rabbit pAb

Catalog # AP97012

Product Information

Application	WB
Primary Accession	Q8CJ70
Other Accession	Q8CJ70
Reactivity	Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20288
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse IL-19/NG.1
Epitope Specificity	81-177/177
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the IL-10 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene 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. Alternatively spliced transcript variants encoding the distinct isoforms have been described. [provided by RefSeq].

Additional Information

Gene ID	329244
Other Names	IL-10C; MDA1; NG.1; ZMDA1; IL19_HUMAN; IL19; IL-19; Melanoma differentiation-associated protein-like protein; IL19_MOUSE; interleukin 19; melanoma differentiation associated protein-like protein
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	Il19
Function	Cytokine that functions as an anti-inflammatory and proangiogenic factor (PubMed:12370360, PubMed:27053520). Polarizes adaptive immunity to an anti-inflammatory phenotype through induction of T-helper 2 responses by both down-regulation of IFN-gamma and up- regulation of IL4 and IL5 (PubMed:15557163). Produced by osteocytes, stimulates granulopoiesis and neutrophil formation (PubMed:33684929). Exerts its biological effect through a receptor complex consisting of a heterodimer of IL20RA and IL20RB. In turn, activates the Janus kinase (JAK) and signal transducer and activator of transcription (STAT) pathway, and importantly, STAT3 (By similarity).
Cellular Location	Secreted.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.