

**CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET**

<b>Product name</b>	IL-12B p40, Human, pAb		
<b>Catalog number</b>	HP9072		
<b>Lot number</b>	-	<b>Expiry date</b>	-
<b>Volume</b>	100 µl	<b>Amount</b>	100 µg
<b>Formulation</b>	0.2 µm filtered in PBS+0.02%NaN3+50%glycerol	<b>Concentration</b>	1 mg/ml
<b>Host Species</b>	Rabbit IgG	<b>Conjugate</b>	None
<b>Endotoxin</b>	N.A.	<b>Purification</b>	Affinity purified
<b>Storage</b>	-20°C		

**Application notes**

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes		•				•		•
No								
N.D.	•		•	•	•		•	

*N.D. = Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot*

Dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

**General Information**

<b>Description</b>	This polyclonal antibody is directed against the interleukin 12 (IL-12) subunit IL12B. IL-12 is a key immunoregulatory cytokine that coordinates innate and adaptive immune responses. IL12 is a disulfide-linked heterodimer composed of the 40 kD cytokine receptor like subunit IL12B, and a 35 kD subunit IL12A. IL12 is expressed by activated macrophages that serve as an essential inducer of Th1 cells development. It acts on T and natural killer cells, and has a broad array of biological activities. The main role of IL-12 is activation of Interferon gamma ( IFN-gamma) production by triggering the Jak-STAT signaling pathway. Overexpression of the IL12 gene was observed in the central nervous system of patients with multiple sclerosis (MS), suggesting a role of this cytokine in the pathogenesis of the disease. IL-12 is also linked to autoimmunity. Promoter polymorphisms in the IL12 gene have been reported to be associated with the severity of atopic and non-atopic asthma in children.		
<b>Immunogen</b>	Synthetic peptide, human IL-12B p40		
<b>Gene</b>	Gene name: IL12B	Entrez Gene ID <a href="#">3593</a>	Uniprot <a href="#">P29460</a>
<b>Storage&amp;stability</b>	Product should be stored at -20°C. Under recommended storage conditions, product is stable for at least one year.		
<b>Precautions</b>	For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.		

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC  
Robbert Zwinkels

Date  
24/06/2019

Do you have any questions or comments regarding this product? Please contact us via [support@hycultbiotech.com](mailto:support@hycultbiotech.com).