

**CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET**

<b>Product name</b>	SLPI, Human, pAb		
<b>Catalog number</b>	HP9024-20UG		
<b>Lot number</b>	-	<b>Expiry date</b>	-
<b>Volume</b>	200 µl	<b>Amount</b>	20 µg
<b>Formulation</b>	0.2 µm filtered in PBS+0.1%BSA+0.02%NaN3	<b>Concentration</b>	100 µg/ml
<b>Host Species</b>	Rabbit IgG	<b>Conjugate</b>	None
<b>Endotoxin</b>	N.A.	<b>Purification</b>	Protein A
<b>Storage</b>	4°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 1:10.

**General Information**

<b>Description</b>	The antibody reacts with secretory leukocyte proteinase inhibitor (SLPI; also known as antileukoprotease (ALP)). SLPI is a 11.7 kDa cationic inhibitor of neutrophil elastase and to a lesser extent of cathepsin G. It is locally produced by epithelial cells in the lung, skin and other organs, by Polymorphonuclear leukocytes (PMN) and (in mice) by macrophages. In addition to its proteinase inhibitory properties that may serve to protect against proteolytic injury, it was recently shown that SLPI also displays several other functions such as antimicrobial and anti-inflammatory activities. These appear to be independent of its ability to inhibit PMN serine proteinases. SLPI has also been demonstrated to display antibacterial and antifungal activity at concentrations in which SLPI is present in mucosal secretions including those of the lung. Another possible role for SLPI is inhibition of protein-disulphide isomerase that is considered essential for invasion of a cell by the Human Immunodeficiency Virus (HIV).
<b>Aliases</b>	Secretory Leukocyte Protease Inhibitor
<b>References</b>	1. Kramps, J et al; Interactions among stimulated human polymorphonuclear leucocytes, released elastase and bronchial antileucoprotease. Clin Sci 1988, 75:53
<b>Storage&amp;stability</b>	Product should be stored at 4°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  
Brenda Teunissen

Date  
31/03/2021

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