

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

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

Description	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).
Aliases	Secretory Leukocyte Protease Inhibitor
References	1. Kramps, J et al; Interactions among stimulated human polymorphonuclear leucocytes, released elastase and bronchial antileucoprotease. Clin Sci 1988, 75:53
Storage&stability	Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.
Precautions	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
13/03/2018

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.