

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse SLPI in direct ELISAs and Western blots. In these formats, less than 5% cross-reactivity with recombinant human SLPI is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived mouse SLPI
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Mouse SLPI

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month from date of receipt, 2 to 8 °C, reconstituted. ● 6 months from date of receipt, -20 to -70 °C, reconstituted.

BACKGROUND

SLPI is a member of the Serpin family and is primarily expressed in secretory glandular epithelial cells. It is found in various secretory fluids and functions as a potent inhibitor of many proteolytic enzymes. SLPI can modulate cell proliferation and has been shown to have anti-inflammatory, anti-viral, and anti-bacterial activities (1, 2).

References:

1. Zhang, D. *et al.* (2002) J. Biol. Chem. **277**:29999.
2. Taggart, C.C. *et al.* (2002) J. Biol. Chem. **277**:33648.