

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Rat                                                                                                                                                                                                                                                                         |
| <b>Specificity</b>        | Detects rat LMAN1L/SLAMP in direct ELISAs and Western blots.                                                                                                                                                                                                                |
| <b>Source</b>             | Polyclonal Sheep IgG                                                                                                                                                                                                                                                        |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant rat LMAN1L/SLAMP<br>Arg33-Thr436<br>Accession # Q5FB95                                                                                                                                                                                  |
| <b>Conjugate</b>          | Alexa Fluor 405<br>Excitation Wavelength: 405 nm<br>Emission Wavelength: 421 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

## 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.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

## PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

## BACKGROUND

SLAMP (Sublingual acinar membrane protein; also LMAN1L) is a 50-60 kDa protein that likely is a member of the animal L-type lectin family of proteins. It is expressed exclusively by mucous secreting cells in the ER-Golgi compartment. SLAMP likely plays a role in the intracellular trafficking of glycoproteins, possibly by binding mannose residues. Mature rat SLAMP is a 475 amino acid (aa) type I transmembrane protein that contains a 409 aa extracellular region (aa 29-437) and a 43 aa cytoplasmic domain (aa 461-503). Over aa 33-436, rat SLAMP shares 89% aa identity with mouse SLAMP.

## PRODUCT SPECIFIC NOTICES

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