

## DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse Complement Component C1rLP in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 40% cross-reactivity with recombinant human (rh) C1rLP is observed and less than 1% cross-reactivity with rhC1R and rhC1S is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse Complement Component C1rLP Ser18-Asp456 Accession # AAP41417
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

## 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
<b>Western Blot</b>	0.1 µg/mL	Recombinant Mouse Complement Component C1rLP
<b>Immunoprecipitation</b>	25 µg/mL	Conditioned cell culture medium spiked with Recombinant Mouse Complement Component C1rLP, <a href="#">see our available Western blot detection antibodies</a>

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

Mouse C1rLP, also CLSPa, is a 55 kDa, secreted, atypical glycoprotein member of the AGY group of serine proteases. It has protease activity for pro-haptoglobin, but accomplishes cleavage without a typical Asp in the catalytic site. In addition, it is proposed to block unwanted complement-mediated proteolysis. Mature C1rLP is 443 amino acids (aa) in length. It contains one CUB domain (aa 43-165), a truncated CCP2 region (aa 167-223) and a serine protease domain (aa 239-482). There is a potential short form that utilizes an alternate start site at Met 27. Over aa 44-456, mouse C1rLP is 78% and 90% aa identical to human and rat C1rLP, respectively.