

DESCRIPTION

Species Reactivity	Mouse
Specificity	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.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Complement Component C1rLP Ser18-Asp456 Accession # AAP41417
Conjugate	Alexa Fluor Plus 647 Excitation Wavelength: 658 nm Emission Wavelength: 675 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. *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.
Immunoprecipitation	Optimal dilution of this antibody should be experimentally determined.

DATA

PREPARATION AND STORAGE

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

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.

PRODUCT SPECIFIC NOTICES

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