

## Product datasheet for **AP31536SU-N**

### Mouse lambda light chain (free and bound) Goat Polyclonal Antibody

#### Product data:

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ELISA, IF, IHC, IP, WB
<b>Recommended Dilution:</b>	To detect and identify the light chain type of immunoglobulins or free light chains in serum or other body fluids by immunoelectrophoresis or double radial immunodiffusion. <u>Directions for use:</u> In immunoelectrophoresis use 2 µl serum or equivalent against 120 µl antiserum. In double radial immunodiffusion (Ouchterlony) use a rosette arrangement with 10 µl antiserum in 3 mm diameter center well and 2 µl serum samples (neat and serially diluted in 2 mm diameter peripheral wells). When carrying out analyses of Bence Jones proteins or free light chains in urine or serum using an immunodiffusion technique, special attention should be given to their faster rate of diffusion as compared to that of the antibody molecules in the antiserum. If they both start to diffuse into the gel in a double radial diffusion at the same time, an excess of the antigen may easily prevent visible precipitation. To prevent false negative results, the antiserum should be diffuse for about 2 hours before the antigen reservoir is filled.
<b>Reactivity:</b>	Mouse
<b>Host:</b>	Goat
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	A pool of purified Bence Jones lambda proteins isolated from mouse urine. Freund's complete adjuvant is used in the first step of the immunization procedure.
<b>Specificity:</b>	The reactivity of the antiserum is directed to the surface and hidden determinants of Ig lambda light chain. In immunoelectrophoresis this antiserum is reacting with polyclonal and monoclonal immunoglobulins of the lambda type, Bence Jones proteins as well as free light chains of the lambda type. This antiserum does not react with any other protein of mouse serum or plasma. <u>Cross-reactivity:</u> Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins and their fragments, since Ig of different species frequently share antigenic determinants. Cross-reactivity of this antiserum has not been tested in detail.



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<b>Formulation:</b>	No preservative added, as it may interfere with the antibody activity. No foreign proteins added. State: Serum State: Delipidated, heat inactivated lyophilized whole serum.
<b>Reconstitution Method:</b>	Restore with 1 ml sterile distilled water.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one week or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.