

**KAPPA/LAMBDA, LIGHT  
CHAINS, FREE, URINE**  
(Immunoturbidimetry)

Kappa, Free light chain	mg/L	(0.78 – 13.48)
Lambda, Free light chain	mg/L	(2.22 – 5.90)

**Comments**

Both Polyclonal and Monoclonal light chains can be detected in urine. Increased urinary concentration of polyclonal free light chains is seen with impaired renal protein re-absorption and with conditions involving lymphocyte activation like Systemic Lupus Erythematosus and chronic infectious process. Monoclonal free light chains are characteristically found in malignant B cell disorders like Multiple myeloma, Plasmacytoma, Waldenstrom's macroglobulinemia & Amyloidosis. Certain other conditions which may also show monoclonal free light chains are Benign monoclonal gammopathy of undetermined significance & few neurologic inflammatory and neoplastic conditions.