

## — Immune System Health

### Immune Deficiency

Immune system disorders occur when the immune system does not fight tumors or harmful substances as it should. The immune response may be overactive or underactive. Immunodeficiency disorders may ... [See more](#)

+ KAPPA LIGHT CHA... (mg/L)	13.2	Range: 3.3-19.4
+ LAMBDA LIGHT C... (mg/L)	14.0	Range: 5.7-26.3
- KAPPA/LAMBDA L... (mg/L)	0.94	Range: 0.26-1.65

#### KAPPA/LAMBDA LIGHT CHAINS FREE WITH RATIO, SERUM



#### Result Comments

Free kappa/lambda ratio in serum of normal individuals is 0.26-1.65. Excess production of free kappa or lambda chains can alter this ratio. Monoclonal free light chains are found in serum of patients with multiple myeloma, Waldenstrom's macroglobulinemia, mu-heavy chain disease, primary amyloidosis, light chain deposition disease, monoclonal gammopathy of undetermined significance, and lymphoproliferative disorders. Measurement of free light chain concentration in serum is useful for diagnosis, prognosis, monitoring disease activity and following response to therapy of these disorders.