

Ig κ light chain

Cat.No. HS-346 011BT; Monoclonal mouse antibody, 100 µg purified IgG (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg purified IgG, lyophilized, biotin-labeled. . For reconstitution add 100 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	IHC-P/FFPE: 1 : 5000 up to 1 : 10000
Label	biotin
Clone	190F11
Subtype	IgG2a (κ light chain)
Immunogen	Recombinant protein corresponding to AA 130 to 235 from human IgG κ LC
Reactivity	Reacts with: human. Other species not tested yet.
Specificity	Detects the κ light chain of human immunoglobulins. No cross-reactivity to λ light chains.

TO BE USED IN VITRO / FOR RESEARCH ONLY NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Human immunoglobulin molecules consist of heavy chains and light chains of either type kappa (κ) or lambda (λ), with kappa light chains being the more common form (κ:λ-ratio usually 2:1). The detection of light chain restriction is an important adjunct for the differentiation of reactive from neoplastic lymphoproliferative lesions in hematopathology. A κ:λ-ratio of more than 3:1 or less than 1:2 is strongly suggestive of the presence of a monoclonal B-cell population. Light chain diagnostic is also important in light chain deposit disease (LCDD) where depositions are composed of the kappa isotype in 80% of cases, and in Light-Chain (AL) Amyloidosis.

This antibody is part of the HistoSure® product line, specifically developed and tested for human pathology.