

## 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 <sub>2</sub> O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	<b>IHC-P/FFPE:</b> 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.

### Selected General References

Localized AL amyloidosis: a suicidal neoplasm?  
Westerman P  
Upsala journal of medical sciences (2012) 117(2): 244-50.

#### 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.