

Product datasheet for **AM32227SU-N**

Human Kappa Light Chain Mouse Monoclonal Antibody [Clone ID: 2B7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2B7
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on Frozen Sections: 1/50 preferably in PBS. Immunohistochemistry on Paraffin Sections.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Specificity:	The antibody reacts with <i>free</i> Kappa chains, but not with Kappa chains attached to <i>heavy chains</i> . No reaction is observed with Ig Kappa on membranes of lymphocytes. No crossreactivity with Lambda chains. In Ouchterlony Immunodiffusion no reaction with Bence Jones Kappa is observed. The antibody reacts with Kappa chain containing cells in sections from sublimite fixed and paraffin embedded tissues. All cytoplasmic Ig Kappa containing cells from bone marrow cells recognized by conventional anti kappa antibodies will be recognized by these monoclonal antibodies.
Formulation:	PBS State: Supernatant State: Liquid Supernatant Stabilizer: 1% BSA Preservative: 10mM Sodium Azide, 1% FCS
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.



[View online »](#)

Background:

Immunoglobulin classes share the same basic four polypeptide chain structure of two heavy chains (five heavy chains types) and two light chains (kappa, lambda; both having a molecular weight of 22.5kDa). Kappa and lambda consist of a variable region and a constant region and can easily be differentiated by the antigenic properties of the constant region. The ratio of kappa to lambda is 70:30.