

Product datasheet for **AM20244TC-N**

Human Kappa Light Chain (free and bound) Mouse Monoclonal Antibody [Clone ID: NI 285, NI 250]

Product data:

Product Type:	Primary Antibodies
Clone Name:	NI 285, NI 250
Applications:	ELISA, IF, IHC, IP, WB
Recommended Dilution:	To identify the light chain type of immunoglobulins or free light chains in Human serum, other body fluids, cell and tissue substrates and to determine its concentration in indirect techniques as ELISA, Indirect Immunoperoxidase staining and immunoblotting. <u>General Recommended Dilutions:</u> Histochemical Use: 1/20-1/200 ELISA: from 1/500 upwards Western blot: from 1/1000 upwards.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Highly purified Bence Jones kappa proteins isolated from pooled Human urine
Specificity:	The antibody does not react with any other component of the human immunoglobulin system or any other human plasma protein as tested. This antiserum has not been tested for cross-reactivity with other species. The reactivity of this preparation of two monoclonal antibodies is restricted to a surface determinant on the kappa light chain. It is reacting with polyclonal and monoclonal immunoglobulins of the kappa type, as well as free kappa light chains as tested in direct binding Enzyme Immunoassay, Immunoblotting, Immunoprecipitation and Direct Immunoperoxidase staining.
Formulation:	PBS, pH 7.2 without preservatives and foreign proteins Label: TRITC State: Lyophilized purified IgG fraction Label: Tetramethylrhodamine Isothiocyanate Absorption emission: 554 nm / 573 nm Molar ratio: TRITC/IgG: ~4.5



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Reconstitution Method:	Restore by adding 0.5 ml sterile distilled water.
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	TRITC
Storage:	Store the antibody lyophilized at 2-8°C for one month or (in aliquots) at -20°C for longer. Diluted ascites should be stored at 2-8°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. Avoid repeated thawing and freezing.
Stability:	Shelf life: one year from despatch.
Note:	<p>Fluorescence marker: Tetramethylrhodamine isothiocyanate isomer R with an orange-red fluorescence. To avoid nonspecific background staining, specially synthesized and exceptionally pure crystalline isomer R has been used instead of the usual racemic mixture. Although its fluorescence efficiency is less than of FITC, TRITC conjugates have the advantage of significantly less photo bleaching.</p> <p>Conjugation Procedure: A proprietary technique for the binding to TRITC is used, followed by several purification steps to remove free reactants and protein aggregates. After each step activity and specificity are tested in a variety of techniques. The conjugate is lyophilized to assure stability and long shelf life.</p>