

Product datasheet for AM20244HR-N

OriGene Technologies, Inc.

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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.

General Recommended Dilutions: Histochemical Use: 1/50-1/200. ELISA: from 1/200 upwards.

Western blot: from 1/400 upwards.

Reactivity: Human
Host: Mouse
Isotype: IgG1

Clonality: Monoclonal

Immunogen: Highly purified Bence Jones kappa proteins isolated from pooled Human urine

Specificity: 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, Imunoblotting, Immunoprecipitation and Direct

Immunoperoxidase staining.

Cross-reactivity: 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.

Formulation: PBS, pH 7.2 without preservatives and foreign proteins

Label: HRP

State: Lyophilized purified IgG fraction

Label: Horseradish Peroxidase

Enzyme marker: Horseradish Peroxidase enriched for isoenzyme C (RZ=3.2)

Molar radio: Peroxidase/IgG: ~1.7





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Reconstitution Method: Restore by adding 0.5 ml sterile distilled water.

Concentration: lot specific

Purification: Immunoaffinity Chromatography

Conjugation: HRP

Storage: Store lyophilized at 2-8°C for 6 months or at -20°C long term.

After reconstitution store the antibody undiluted at 2-8°C for one month

or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Note: <u>Conjugation procedure</u>: Conjugation is carried out using a proprietary modification of the

periodate method, followed by several purification steps. After each step activity and specificity are tested in a variety of techniques. No foreign protein has been added. The

conjugate is lyophilized to assure stability and long shelf life.