PERFORMANCE DATA SHEET
3351

Monoclonal anti-human Kappa Light chain/HRP conjugate *

mAb name/Clone: **L1C1**
Isotype: Mouse IgG1κ
Immunogen: Human B lymphoma cells

CATALOG#: 136-990
QUANTITY: 100 µg **CONCENTRATION: 0.91 mg/ml**

INFORMATION: Human immunoglobulins are glycoproteins composed of two disulfide-bonded heavy (H) chain subunits, each of which is linked by interchain disulfide bonds to a light (L) chain forming a tetramolecular complex. There are five classes of immunoglobulins, designated IgG, IgA, IgM, IgD and IgE, which are defined by differences in the constant region of H chains. L chains are divided into kappa or lambda classifications based on structural antigenic differences. All classes of immunoglobulins have been found on the cell surface of B lymphocytes where they function as antigen receptors to elicit antigen-dependent proliferation and secretion of antigen specific soluble circulating antibodies. Antibody L1C1 recognizes cell surface kappa on B cells in FACS, and is reactive in EIA.
References: 1. Basic and Clinical Immunology, Seventh edition (D. P. Sites & A. I. Terr, eds.) Appleton & Lange., Norwalk, CT (1991).

STORAGE CONDITIONS: ***Store at 2 - 5^{o}C.***

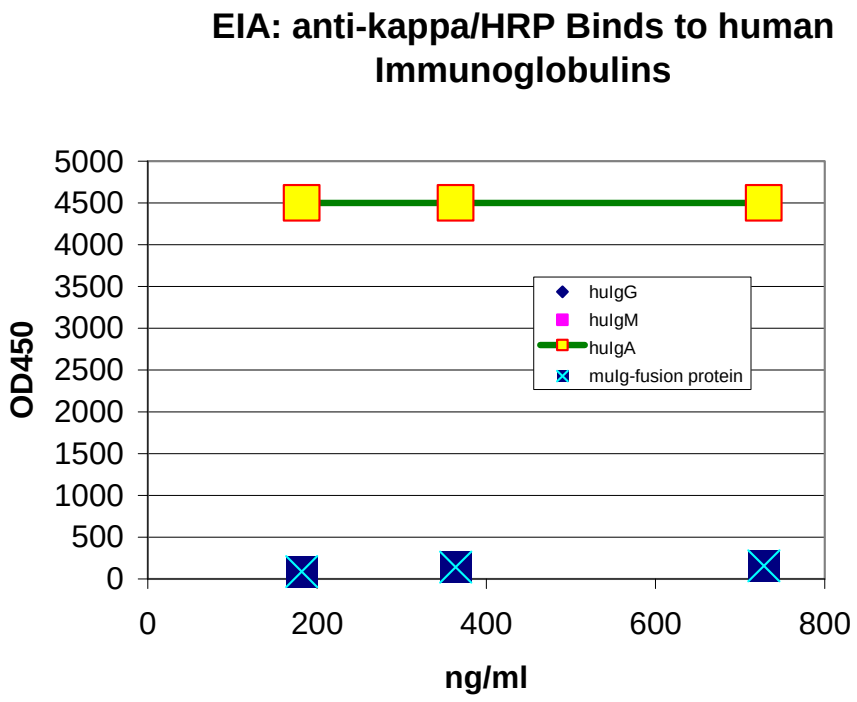
PRODUCT STABILITY: Product should retain activity for at least 6 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: TBS buffer with stabilizers and 0.1% Proclin-300(as a preservative).

PRODUCTION: Protein A purified antibody from tissue culture supernatant was covalently conjugated to HRP. Unconjugated HRP and antibody were removed using size exclusion chromatography.

PERFORMANCE: L1C1/HRP was tested for its ability to detect kappa light chain on immobilized human Immunoglbulins in EIA. Suggested titer for EIA is **1:5,000** (182 ng/ml). Users should determine optimal titer specific for their own applications.

**** Research Use Only. Not for use in Diagnostic procedures.***



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