

PERFORMANCE DATA SHEET

3351

Monoclonal anti-human IgA/HRP conjugate*

mAb name/Clone: Hisa43

Isotype: Mouse IgG1κ

Immunogen: Human salivary proteins

CATALOG#: 137-990

QUANTITY: 100 µg

CONCENTRATION: 1.06 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 Hisa43 recognizes cell surface expressed IgA 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). 2. J. Biewenga, et al, (1986) Mol Immunol 23: 761-767.

STORAGE CONDITIONS: Store at 2 - 5°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: Hisa43/HRP was tested for its ability to detect kappa light chain on immobilized human Immunoglobulins in EIA. Suggested titer for EIA is 1:5,000 (212 ng/ml). Users should determine optimal titer specific for their own applications.

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

EIA: anti-human IgA/HRP binding to immobilized human IgA and human IgG

