PERFORMANCE DATA SHEET
1750

Monoclonal anti-human IgG*

mAb name/Clone: **ICO-97**
Isotype: Mouse IgG1
Immunogen: Human Ig

CATALOG#: 139-820 (Preservative-free)
QUANTITY: 100 µg **CONCENTRATION: 1.0 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 ICO-97 recognizes cell surface human IgG on B cells.

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°C***. Freeze/Thawing is not recommended. **Open under aseptic conditions.**

PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

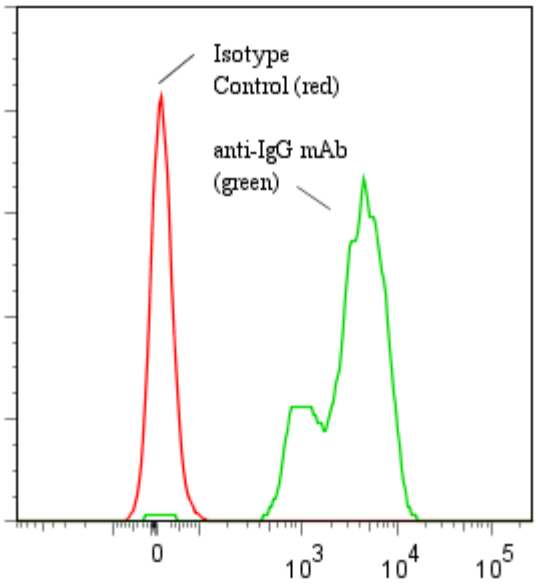
BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE with less than 1% Bovine Immunoglobulin. Product was 0.2 µm filtered and vialed under aseptic conditions.

PERFORMANCE: Five x 10^5 human IgG-coated microparticles (*Inquire*) per tube were incubated 45 minutes on ice with 80 µl of anti-human IgG antibody at **10 µg/ml**. Cells were washed twice and incubated with 2° reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. Particles stained positive with a mean shift of **2.55** $\log_{10}$ fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010) at a similar concentration.

****This Product is intended for Laboratory Research use only.***

Binding of anti-hu IgG mAb +GAM/FITC to huIgG-coated microparticles



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