PERFORMANCE DATA SHEET
3205

Human IgG1κ/APC Conjugate

From Human Myeloma Plasma

CATALOG#: 295-060
CONCENTRATION: 0.5 mg/ml **QUANTITY: 100 µg**

INFORMATION: Human IgG1κ from human myeloma plasma is used as a negative control for work involving human IgG1 isotype antibodies or recombinant proteins.

STORAGE CONDITIONS: ***Store at 2 - 5^{0} C***. Freeze/Thawing is not recommended. Protect from light.

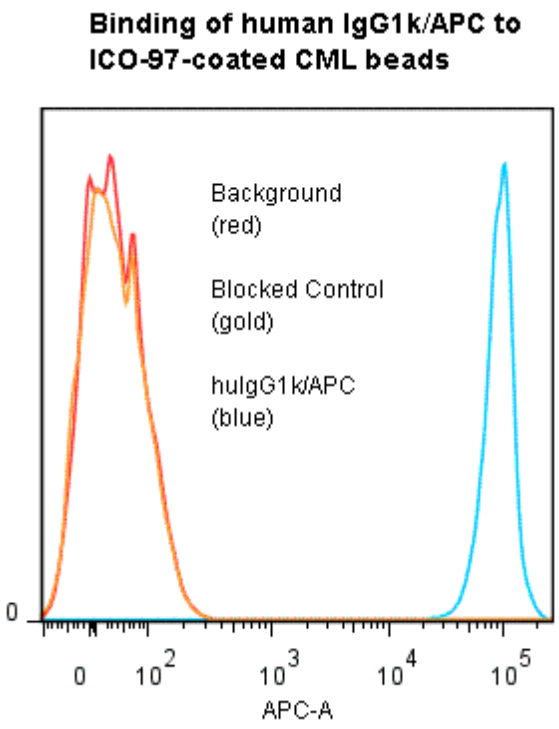
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN_3 (as a preservative).

PRODUCTION: Protein A purified antibody from tissue culture supernatant was conjugated to Allophycocyanin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at **0.5 mg/ml** with an APC : mAb molar ratio of 0.93.

POTENTIAL BIOHAZARD: Handle Product as if capable of transmitting infectious agents. Source material was tested and found negative for antibody to HIV and HbsAg.

PERFORMANCE: huIgG1k/APC was tested for binding to anti-human IgG (clone ICO-97)-coated 4µ beads in FACS (*Inquire*). Approximately 5 x 10^5 beads per tube were spun down and incubated 45 minutes at 4°C with 80µl of huIgG1k/APC at a **1:50** dilution (10µg/ml). Tubes were washed twice, fixed and analyzed by FACS. Beads stained positive with a mean shift of 3.45 $\log_{10}$ fluorescent units when compared to a buffer background. Binding was blocked when beads were pre incubated 10 minutes with 20 µl of 0.5 mg/ml unlabeled huIgG1k antibody (Catalog #295-010).



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

Ancell Corporation P.O. Box Bayport, MN 55003-0087 USA
Phone: Toll free 800-374-9523 or 651-439-0835 Fax: 651-439-1940