PERFORMANCE DATA SHEET
3329

Human IgG1κ/FITC*

From Human Myeloma Plasma

CATALOG#: 295-040
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 - 5º C***. Freeze/Thawing is not recommended. ***Protect from light.***

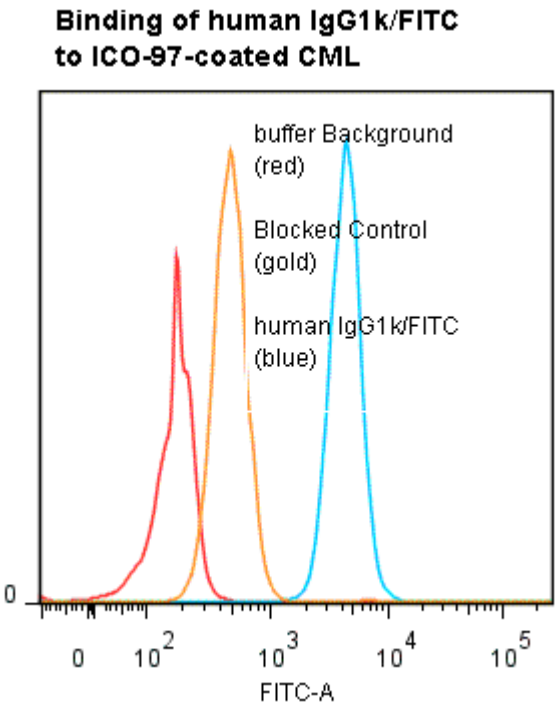
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

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: Antibody from human plasma was purified to >95% by fractionation, ion-exchange and affinity chromatography, after which it was reacted with FITC. Unconjugated FITC was separated from antibody/FITC conjugate by desalting column. The antibody/FITC conjugate is at a concentration of **0.5 mg/ml** with a FITC to antibody molar ratio of 5.0.

POTENTIAL BIOHAZARD: Handle Product as if capable of transmitting infectious agents. Source material was tested and found negative for HbsAg and antibody to HIV1/2 and HCV.

PERFORMANCE: huIgG1k/FITC 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/FITC at a **1:50** dilution (10µg/ml). Tubes were washed twice, fixed and analyzed by FACS. Beads stained positive with a mean shift of **1.8** $\log_{10}$ 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.***

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