

PERFORMANCE DATA SHEET

1851

Monoclonal anti- human CD32(Fc gamma RII)/Biotin*

mAb name/Clone: 7.3

Isotype: Mouse IgG1κ

Immunogen: Human K562 tumor cells and L cells transfected with human Fc gamma RII

CATALOG#: 181-030

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD32 exists in at least six isoforms originating from three different genes (FcγRII A, B and C). The CD32 molecule is a low affinity receptor for immune complexed IgG and has signal-transducing capabilities involved with humoral and cell-mediated immune responses. Antibody 7.3 reacts with a domain 2 epitope or all CD32 isoforms. Intact and Fab’₂ 7.3 antibody blocks immune complex binding.

References: Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford (1995) p. 823-836.
A. Aicher, et al, (2000) J Immunol 164: 4689-4696.

STORAGE CONDITIONS: *Store at 2 - 5°C.* Freeze/thawing not recommended.

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% NaN₃ (as a preservative).

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to >95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.

PERFORMANCE: Five x 10⁵ cultured human **Raji** cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD32/Biotin at **10 µg/ml**. Cells were washed twice and incubated with 2^o reagent Streptavidin/R-PE (Catalog #253-050) after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **2.26 log₁₀** fluorescent units when compared to a Mouse IgG1/Biotin negative control (Catalog #278-030). Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD32 antibody (Catalog #181-020).

**Research use only. Not for use in Diagnostic procedures.*

Binding of anti-CD32/Biotin + SA/PE to human Raji cells

