

## PERFORMANCE DATA SHEET

1851

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

**mAb name/Clone:** 7.3

**Isotype:** Mouse IgG1 $\kappa$

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

**CATALOG#:** 181-030

**QUANTITY:** 100  $\mu$ g

**CONCENTRATION:** 1.0 mg/ml

**INFORMATION:** Human CD32 exists in at least six isoforms originating from three different genes (Fc $\gamma$ RII 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'<sub>2</sub> 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% NaN<sub>3</sub> (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 10<sup>5</sup> cultured human **Raji** cells were washed and incubated 45 minutes on ice with 80  $\mu$ l of anti-CD32/Biotin at 10  $\mu$ g/ml. Cells were washed twice and incubated with 2<sup>o</sup> 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 log<sub>10</sub> fluorescent units when compared to a Mouse IgG1/Biotin negative control (Catalog #278-030) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20  $\mu$ l of 0.5 mg/ml anti-CD32 antibody (Catalog #181-020).

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

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

