

**PERFORMANCE DATA SHEET**

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**Monoclonal anti-human CD32(Fc gamma RII)\*****mAb name/Clone:** 7.3**Isotype:** Mouse IgG1 $\kappa$ **Immunogen:** Human K562 tumor cells and L cells transfected with human Fc gamma RII**CATALOG#:** 181-820 (Preservative Free)**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 is not recommended. *Open under aseptic conditions.*

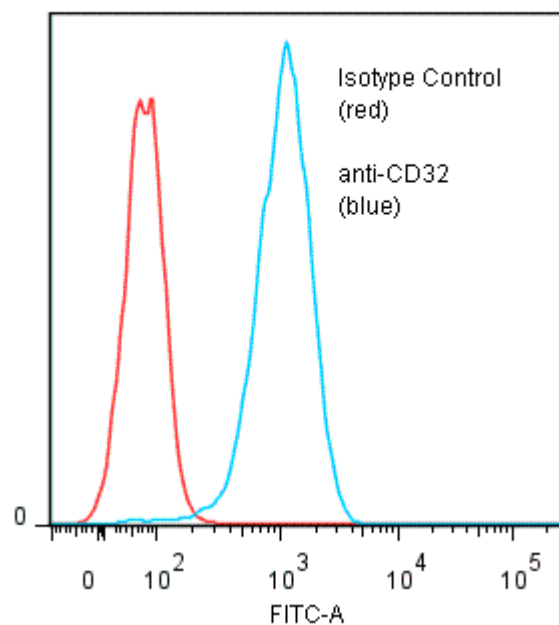
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: \_\_\_\_\_

**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.

**PERFORMANCE:** Five x 10<sup>5</sup> cultured human **Raji** cells were incubated 45 minutes on ice with 80  $\mu$ l of anti-CD32 antibody at 5  $\mu$ g/ml. Cells were washed twice and incubated with 2<sup>o</sup> reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 0.9 log<sub>10</sub> fluorescent units when compared to a Mouse IgG1 negative control (Catalog # 278-010).

**Binding of anti-CD32 mAb  
+GAM/FITC to human Raji cells**



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