## **PERFORMANCE DATA SHEET** 2030 Monoclonal anti-human CD152 (CTLA-4)\*



mAb name/Clone: ANC152.2/8H5 *Isotype:* Mouse IgG1k Immunogen: Stimulated human PBL's and human CD152 Ig fusion protein

## CATALOG#: 359-020 QUANTITY: 100 µg

## **CONCENTRATION: 1.0 mg/ml**

**INFORMATION:** Human CD152 (CTLA-4) is a cell surface glycoprotein expressed at low levels on activated T cells. CD152 is a high affinity receptor for the costimulatory molecules CD80 (B7-1) and CD86 (B7-2) and appears to function as a negative regulator of T cell activation. Antibody ANC152.2 reacts with CTLA-4 expressed on activated T cells. ANC152.2 blocks binding of CD152 (CTLA-4) Ig fusion protein to its CD80/CD86 receptor. References: T. Lindsten, et al, (1993) J Immunol 151: 3489-3499. T.L. Walunas, et al, (1994) Immunity 1:405-413. N.J. Karandikar, et al, (1996) J Exp Med 184: 783-788. A. Kitani, et al, (2000) J Immunol 165: 691-702.

**STORAGE CONDITIONS:** *Store at 2 - 5<sup>o</sup>C*. Freeze/Thawing is not recommended.

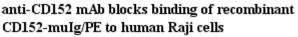
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:

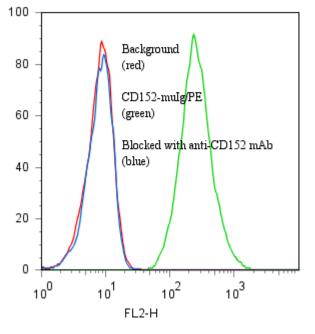
BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

**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: Anti-CD152 (clone ANC152.2/8H5) antibody was tested for its ability to block the binding of recombinant CD152-muIg/R-PE conjugate (Catalog #501-050) to CD80 and CD86 expressed on human Raji cell surface. Five x 10<sup>5</sup> cultured Raji human tumor cells were washed and incubated 45 minutes on ice with 80 µl of CD152-muIg/R-PE at a concentration of 1 µg/ml. Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 1.79 log10 fluorescent units when compared to a Mouse IgG2a Isotype control/PE conjugate (catalog #281-050). Binding was 98.6% blocked when CD152 muIg/R-PE fusion protein was pre incubated 10 minutes with a five fold excess (w/w) of anti-CD152 mAb (5 µg/ml).

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





Ancell Corporation P.O. Box 87 Bayport, MN 55003-0087 USA Phone: Toll free 800-374-9523 or 651-439-0835 Fax: 651-439-1940