

PERFORMANCE DATA SHEET

2030

Monoclonal anti-human CD152 (CTLA-4)*

mAb name/Clone: ANC152.2/8H5

Isotype: Mouse IgG1 κ

Immunogen: Stimulated human PBL's and human CD152 Ig fusion protein

CATALOG#: 359-020

QUANTITY: 100 μ g

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°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 $\times 10^5$ cultured Raji human tumor cells were washed and incubated 45 minutes on ice with 80 μ l of CD152-muIg/R-PE at a concentration of 1 μ g/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 μ g/ml).**

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

anti-CD152 mAb blocks binding of recombinant CD152-muIg/PE to human Raji cells

