

PERFORMANCE DATA SHEET

2633

Monoclonal anti-human CD48(Blast-1)*

mAb name/Clone: 5-4.8

Isotype: Mouse IgG2ak

Immunogen: Human PBLs

CATALOG#: 199-020

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD48 is a GPI anchored cell surface glycoprotein found on all lymphocytes and monocytes. CD48 is a ligand for CD2, CD229 and CD244 and may be involved in enhancing the activating signal to B cells. Antibody 5-4.8 recognizes epitope 4 of the CD48 molecule of 47 kd (4).

References: (1) H.A. Vaughan, et al, (1983) Transplantation 36: 446-450. (2) H.A. Vaughan, et al, (1991) Immunogenetics 33: 113-117. (3) E.N. Klyushenkova, et al, (1996) Cellular Immunol 174: 90-98. (4) Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p. 509-512.

STORAGE CONDITIONS: Store at 2 - 5°C. Freeze/Thawing is not recommended.

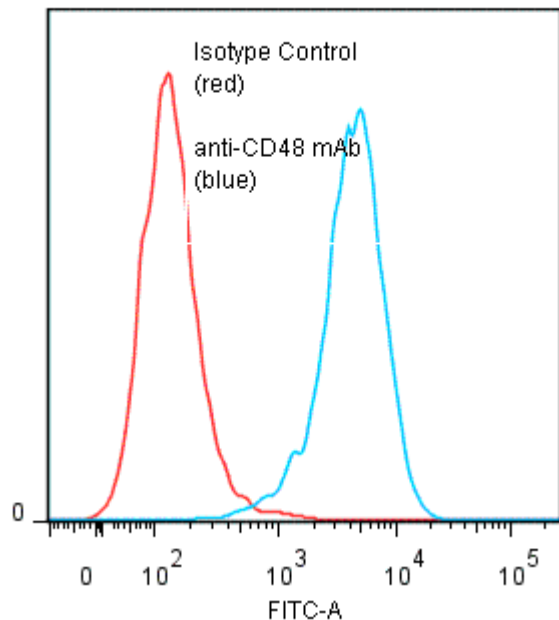
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

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: Five x 10⁵ cultured human **Raji** cells per tube were washed and incubated 45 minutes on ice with 80 µl of anti-CD48 antibody at a concentration of 5 µg/ml. Cells were washed twice and incubated with 2^o 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 1.44 log₁₀ fluorescent units when compared to a Mouse IgG2a/FITC negative control (Catalog # 281-040).

Binding of anti-CD48 mAb +GAM/FITC to human Raji cells



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