PERFORMANCE DATA SHEET
3324

Monoclonal anti-human CD48(Blast-1)*

mAb name/Clone: **5-4.8**
Isotype: Mouse IgG2aκ
Immunogen: Human PBLs

CATALOG#: 199-820 (Preservative Free)
QUANTITY: 100 µg **CONCENTRATION: 1.0 mg/ml**

INFORMATION: Human CD48 is a GPI anchored cell surface gylcoprotein found on all lymphocytes and monocytes. CD48 is a ligand for CD2 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. Klyushnenkova, 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***. **Open under aseptic conditions.** 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.

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE and contains less than 1% Bovine Immunoglobulin. Product was 0.2 µm filtered and vialed under aseptic conditions.

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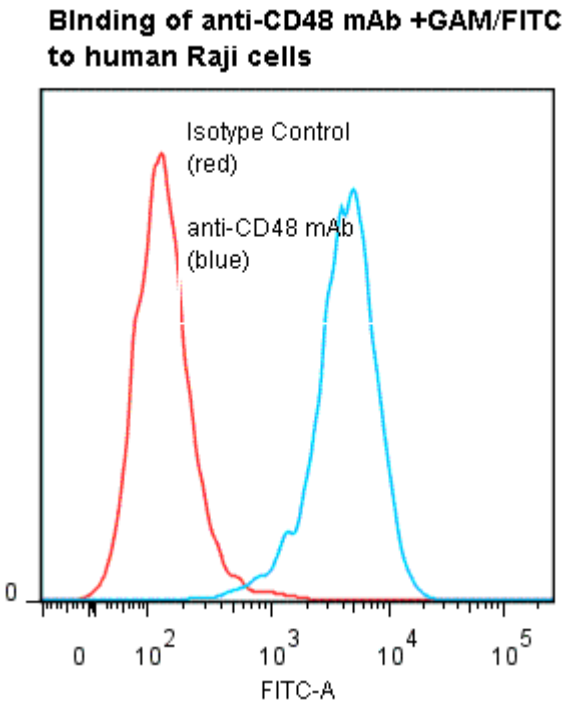
PERFORMANCE: Five x 10^5 cultured human **Raji** cells per tube were washed and incubated 45 minutes on ice with 80 µl of anti-CD48 antibody at a concentration of **5 µg/ml**. Cells were washed twice and incubated with 2° reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.44** $\log_{10}$ fluorescent units when compared to a Mouse IgG2a/FITC negative control (Catalog # 281-040) at a similar concentration.



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