

## PERFORMANCE DATA SHEET

2643

### *Monoclonal anti-human CD48(Blast-1)\**

*mAb name/Clone:* 5-4.8

*Isotype:* Mouse IgG2ak

*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 glycoprotein 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. 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. 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 vialled under aseptic conditions.

**PERFORMANCE:** Five x 10<sup>5</sup> 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<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 **1.44 log<sub>10</sub>** fluorescent units when compared to a Mouse IgG2a/FITC negative control (Catalog # 281-040) at a similar concentration.

*\*This Product is intended for Laboratory Research use only.*

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

