

PERFORMANCE DATA SHEET

1816

Monoclonal anti-human CD13*

mAb name/Clone: 22A5

Isotype: Mouse IgG2ak

Immunogen: Human osteosarcoma tissue

CATALOG#: 162-020

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD13 is a zinc-binding aminopeptidase-N enzyme expressed on the surface of myeloid cells. IL-4 will upregulate expression of CD13 which may play an anti-inflammatory role. Antibody 22A5 recognizes the cell surface aminopeptidase-N enzyme.

References: M.A. Horton, et al, (1985) Cancer Res **45:** 5663-5669. R.A. Ashmun & A.T. Look (1990) Blood **75:** 462-471. P.T.W. van Hal, et al, (1994) J Immunol **153:** 2718-2728

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

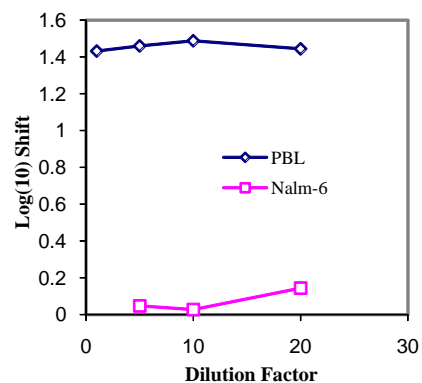
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

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 ficoll prepared **human periphera blood mononuclear cells** were washed and pre incubated 5 minutes with 20µl of 250µg/ml human IgG (to block nonspecific binding) after which they were incubated 45 minutes on ice with 80 µl of anti-CD13 antibody at **10 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. A net **5%** sub population of the cells stained positive with a mean shift of **1.49** log₁₀ fluorescent units when compared to a Mouse IgG2a negative control (Catalog # 281-010) at a similar concentration.

Binding of anti-CD13 antibody to human cell types



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