PERFORMANCE DATA SHEET

Monoclonal anti-human CD18 F(ab')₂*

mAb name/Clone: IB4 *Isotype:* Mouse IgG2a

Immunogen: Human peripheral blood monocytes

CATALOG#: 167-520

OUANTITY: 100 ug (Preservative Free) CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD18 (β 2 integrin) forms a heterodimer with either α^L , α^M , or α^X integrins (CD11a, b or c). CD11/CD18 heterodimeric molecules are involved with cell/cell and cell/extracellular adhesion in immune and inflammatory responses. Antibody IB4 recognizes the beta 2 integrin subunit (CD18) adhesion molecule of about 95 kd. Antibody IB4 blocks binding of ICAM-1 and ICAM-3 to LFA-1. References: S.D. Wright et al, (1983) Proc Natl Acad Sci USA 80: 5699-5703. R.C. Landis et al, (1994) J Cell Biol 126: 529-537. M. Kaneko, et al, (1995) J Immunol 155: 2631-2641. A. Mazzone & G. Ricevuti, (1995) Haematologica 80: 161-175.

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. Product was sterile filtered and vialed under aseptic conditions. No preservative added.

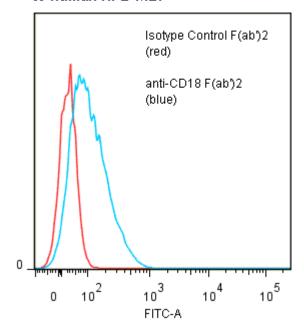
PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Immunoglobulin was enzymaticly cleaved using Pepsin.

F(ab')₂ was separated from intact antibody, Fab and Fc fragments by Protein A and Size exclusion chromatography.

PERFORMANCE: Five x 10⁵ cultured **HPB-MLT** cells were washed and incubated 45 minutes on ice with 80 ul of anti-CD18 F(ab')₂ at 10 µg/ml. Cells were washed twice and incubated with 2º reagent Goat anti-Mouse/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 0.79 log₁₀ fluorescent units when compared to a Mouse IgG2a Fab negative control (Catalog #281-580).

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

Binding of anti-CD18 F(ab')2 +GAM/FITC to human HPB-MLT



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