

Mouse anti-Human CD13 Monoclonal Antibody | anti-CD13 antibody

anti-human CD13-Biotin

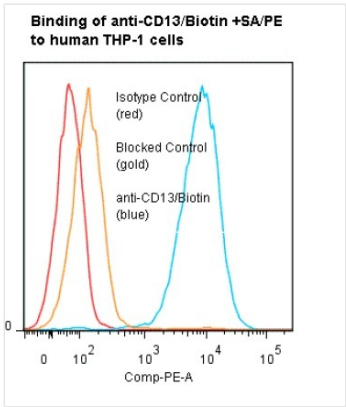
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78164	Mouse	Human	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD13; Monoclonal Antibody; anti-human CD13-Biotin; Monoclonal anti-human CD13/Biotin; anti-CD13 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2ak
Clone Number	22A5
Form/Format	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA.
Concentration	1.0 mg/ml (varies by lot)
Applicable Applications for anti-CD13 antibody	FCM/FACS (Flow Cytometry)
Performance	Five x 10 ⁵ cultured THP-1 cells were washed and pre incubated ~5 minutes with 20ul of 250 ug/ml human IgG (to block nonspecific binding) after which they were incubated 45 minutes on ice with 80 ul of anti-CD13/Biotin at 10 ug/ml. Cells were washed twice and incubated with 50 ul of 2 degree reagent Streptaviden/R-PE after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 2.19 log ₁₀ fluorescent units when compared to a Mouse IgG2a/Biotin negative control at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 ul of 0.5 mg/ml anti-CD13 antibody .
Conjugation	Biotin
Production	Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to >95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.
Buffer	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN3 (as a preservative).
Immunogen	Human osteosarcoma tissue
Preparation and Storage	Store at 2 - 5°C. Freeze/thawing not recommended. Product should retain activity for at least 12 months after shipping date when stored as recommended.



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-CD13 antibody	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.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd13-antibody-clone-22a5-flow-cytometry-elisa/78164>