

Mouse anti-Human CD26 Monoclonal Antibody | anti-CD26 antibody

anti-human CD26-FITC

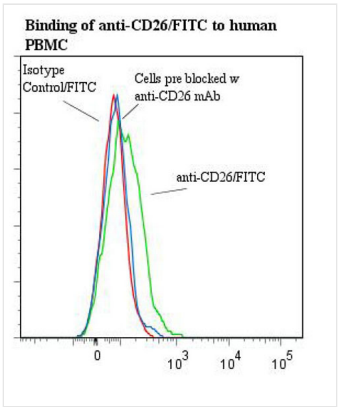
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78186	Mouse	Human	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD26; Monoclonal Antibody; anti-human CD26-FITC; Monoclonal anti-human CD26 (dipeptidyl peptidase IV)/FITC; anti-CD26 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	202.36
Form/Format	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA.
Concentration	Volume: 0.2 ml (varies by lot)
Applicable Applications for anti-CD26 antibody	FCM/FACS (Flow Cytometry)
Performance	Five x 10 ⁵ Ficoll prepared human peripheral blood mononuclear cells (PBMC) per tube were washed and pre incubated ~5 minutes with 20 ul of human IgG at 250 ug/ml (to block non specific binding), after which they were incubated 45 minutes on ice with 80 ul of anti-CD26/FITC at a 1:50 dilution (10 ug/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 0.33 log ₁₀ fluorescent units when compared to a Mouse IgG2b/FITC 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-CD26 antibody.
Conjugation	FITC
Production	Protein A purified antibody from tissue culture supernatant was reacted with FITC. Unconjugated FITC was separated from antibody/FITC conjugate by desalting column. The antibody/FITC conjugate is at 0.5 mg/ml with a Fluorescein/Antibody molar ratio of 12.
Buffer	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN ₃ (as a preservative).
Immunogen	Human T cell clone
Preparation and Storage	Store at 2 - 5 degree C. Freeze/Thawing is not recommended. Protect from light 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-CD26 antibody	Information: Human CD26 is a T cell activation antigen which can be associated with costimulation (1). The significance of the dipeptidyl peptidase IV activity remains unknown. Characterization of adenosine deaminase binding to CD26 suggests an important immunoregulatory role (2). CD26 is expressed at high levels on CD4+ Th17 T cells (3). Antibody 202.36 reacts with the type II membrane protein CD26.
References	1.) Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford (1995) p. 1105-1114. 2.) R.P. Dong, et al, (1996) J. Immunol 156: 1349-1355. 3.) Bengsch B, R Thimme, et al, (2012) J Immunol 188(11): 5438-5447.

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/cd26-antibody-clone-202-36-flow-cytometry-elisa/78186>