

Mouse anti-Human CD278 Monoclonal Antibody | anti-CD278 antibody

anti-human CD278(ICOS)-APC

CATALOG # AAA78151	HOST Mouse	REACTIVITY Human
------------------------------	----------------------	----------------------------

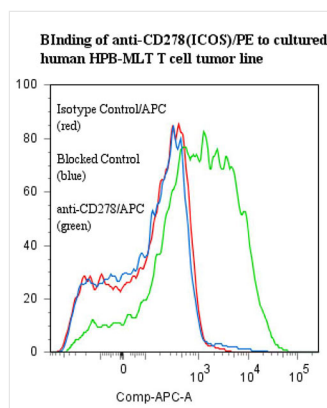
PRODUCT SYNONYMS

CD278; Monoclonal Antibody; anti-human CD278(ICOS)-APC; Monoclonal anti-human CD278(ICOS)/APC; anti-CD278 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1k
Clone Number	ANC6C6
Form/Format	50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN ₃ (as a preservative).
Conjugation	APC
Immunogen	Human HPB-MLT cells, recombinant ICOS-mulg fusion protein
Production	Protein A purified antibody from tissue culture supernatant was conjugated to Allophycocyanin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at 0.5 mg/ml, with an A ₆₅₀ /A ₂₈₀ ratio of 1.43.
Performance	Five x 10 ⁵ cultured human HPB-MLT cells were washed and incubated 45 minutes on ice with 80ul of anti-CD278/APC 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 1.09 log ₁₀ fluorescent units when compared to a Mouse IgG1/APC negative control (Cat#). Binding was blocked when cells were pre incubated 10 minutes with 20 ul of 0.5 mg/ml unlabeled anti-CD278 antibody (Cat#).
Preparation and Storage	Store at 2 - 5 degree C. Do not freeze! Protect from light.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-CD278 antibody	The inducible costimulator (ICOS, T cell activation molecule H4) is similar to human CD28 (24% homology), and plays an analogous role in the T cell activation process. Secondary signaling through CD28 or ICOS results in discrete cytokine secretion profiles by the activated T cells. Signaling by either molecule is effectively down regulated by CD152 (CTLA-4) engagement. Human GL50 is a member of the B7 family sharing ~20% homology with CD80 (B7-1) and CD86 (B7-2), and has been shown to be the ligand for ICOS. Two RNA splice variants exist for this molecule, differing only in the cytoplasmic domain. Antibody ANC6C6 binds to recombinant ICOS-mulg in EIA, and to the surface of HPB-MLT cells in Flow cytometry. Additionally, it blocks binding of recombinant GL50-mulg to HPB-MLT cells.
References	1) Beier, K.C., R.A. Kroczek, et al. 2000, Eur J Immunol. 30(12):3707-3717. 2) Riley, J.L., C.H. June, et al. 2001, J. Immunol. 166: 4943-4948. 3) Ling, V., M. Collins, et al. 2000, J. Immunol. 164: 1653-1657. 4) Ling, V., M. Collins, et al. 2001, J. Immunol. 166: 7300-7308.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd278-antibody-clone-anc6c6-elisa/78151>