

Mouse anti-Human CD357 Monoclonal Antibody | anti-CD357 antibody

anti-human CD357(GITR)-Purified (with Antibiotics)

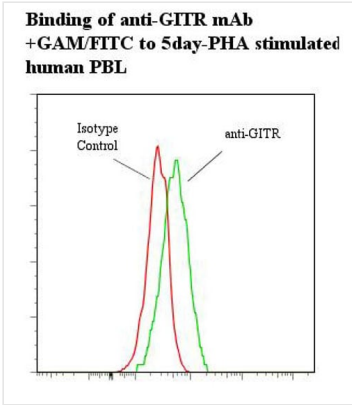
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78162	Mouse	Human	ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD357; Monoclonal Antibody; anti-human CD357(GITR)-Purified (with Antibiotics); Monoclonal anti-human CD357 (GITR AITR); anti-CD357 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG3k
Clone Number	ANC5E3
Purity/Purification	Purified (with Antibiotics)
Form/Format	50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 0.5% Gentamicin sulfate
Concentration	1.0 mg/ml (varies by lot)
Applicable Applications for anti-CD357 antibody	ELISA, FCM/FACS (Flow Cytometry)
Performance	Ficoll prepared human peripheral blood leukocytes (PBL) were stimulated 5 days in culture with PHA. Five x 10 ⁵ cells per tube were washed and pre incubated 5 minutes with 20 ul of 250 ug/ml human IgG (to block non specific binding) after which they were incubated 45 minutes on ice with 80 ul of anti-GITR mAb at a concentration of 5 ug/ml. Cells were washed twice and incubated with 2 degree reagent Goat-anti-Mouse Ig/FITC, after which they were washed three times and analyzed by FACS. Cells stained positive with a mean shift of 0.52 log ₁₀ fluorescent units when compared to a Mouse IgG3 negative control at a similar concentration.
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.
Buffer	50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).
Group Header	anti-human CD357(GITR)
Immunogen	Recombinant human GITR, PHA stimulated human PBL
Preparation and Storage	Store at 2 - 5 degree C. Freeze/Thawing is 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-CD357 antibody	Information: Glucocorticoid induced Tumor Necrosis Factor receptor family related gene (GITR, AITR) is a type 1 228 amino acid transmembrane protein that has been designated TNFRSF18. GITR is expressed mainly by CD4+ CD25+ T lymphocytes. Its engagement by antibodies or its ligand (GITRL) induces a costimulatory signal which can break T cell suppression (2). GITR has been implicated as a regulatory mechanism in anti-parasitic immune responses (4), and is involved with Macrophages activation in atherosclerotic plaque formation (3). Clone ANC5A3 binds to human GITR in EIA and on stimulated cell surface in FACS. Preincubation of the receptor with an excess of this mAb will block binding of recombinant GITR Ligand.
References	1) Gurney AL, et al. (1999) Curr Biol 9(4): 215-218. 2) Ji HB, et al. (2004) J Immunol 172(10): 5823-5827. 3) Kim WJ, WH Lee, et al. (2006) Immunology 119(3): 44-9. 4) Furze RC, Selkirk ME, et al. (2006) Microbes Infect 8(12-13): 2803-10. 5) Kohm AP, SD Miller, et al. (2004) J Immunol 172: 4686-4690. 6) McHugh, R.S. et al. (2002) Immunity 16:311. 7) Shin, H.H. et al. (2002) FEBS Lett. 514:275. 8) Shimizu, J. et al. (2002) Nature Immunol. 3:135.

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/cd357-antibody-clone-anc5e3-flow-cytometry-elisa/78162>