

Mouse anti-Human CD252 Monoclonal Antibody | anti-CD252 antibody

anti-human CD252(OX40L)-R-PE

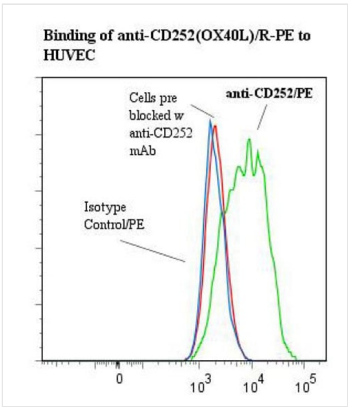
CATALOG # AAA78153	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD252; Monoclonal Antibody; anti-human CD252(OX40L)-R-PE; Monoclonal anti-human CD252 (CD134 L; OX40 L)/R-PE; anti-CD252 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1k
Clone Number	ANC10G1
Form/Format	0 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN3 (as a preservative).
Applicable Applications for anti-CD252 antibody	Blocking, ELISA, FCM/FACS (Flow Cytometry)
Performance	Cultured human umbilical cord vein endothelial cells were harvested by trypsinization, after which 5 x 10 ⁵ cells per tube were washed and incubated 45 minutes on ice with 80 ul of anti-CD252/R-PE at a dilution factor of 1:50 (10 ug/ml). Cells were washed three times, fixed and analyzed by FACS. A net 63% of the cells stained positive with a mean shift of 0.83 log ₁₀ fluorescent units when compared to a Mouse IgG1/R-PE 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-CD252 antibody.
Conjugation	PE
Production	Protein A purified antibody from tissue culture supernatant was conjugated to R-Phycoerythrin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at 0.5 mg/ml with an A ₅₆₅ /A ₂₈₀ ratio of 3.02.
Immunogen	Human HUVEC and Recombinant soluble human CD252
Preparation and Storage	Store at 2 - 5 degree C. Do not freeze! Protect from light. Product should retain activity for at least 12 months after receiving date when stored as recommended.



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-CD252 antibody	Information: Human CD252 (CD134L, OX-40L) is a type II membrane protein with homology to TNF which is expressed on activated B cells and activated endothelial cells. CD252 binds to CD134 present on activated T cells, providing a costimulatory signal (1). This pathway seems to be more effective for costimulation of CD4+ helper T cells than for CD8+ effector T cells (4). Blockade of this interaction in mouse abrogated immunological effects in several models of inflammation and rejection (5,6,7,8). Antibody from clone ANC10G1 binds to CD252 on the cell surface of HUVEC in Flow cytometry, and blocks binding of recombinant CD134-muIg.
References	1) W. R. Godfrey, et al, (1994) J Exp Med 180: 757-763. 2) L.M. Higgins, et al, (1999) J Immunol 162: 486-493. 3) A.D. Weinberg, et al, (1999) J Immunol 162: 1818-1826. 4) V.Y. Taraban, et al, (2002) Eur J. Immunol. 32: 3617-3627. 5) V. Malmstrom, et al, (2001) J Immunol 166: 6972. 6) C. Nohara, et al, (2001) J Immunol 166: 2108-2115. 7) X. Yuan, et al, (2003) J Immunol 170: 2949-2955. 8) L. Tian, et al, (2002) Transplantation 74(1): 133-138.

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/cd252-antibody-clone-anc10g1-flow-cytometry-elisa/78153>