

CD134 protein

CD134(OX40)-mulg-Purified Preservative Free

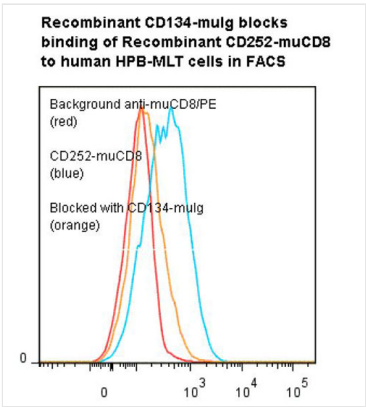
CATALOG # AAA78193	HOST CHO cells	REACTIVITY Human	APPLICATIONS ELISA, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

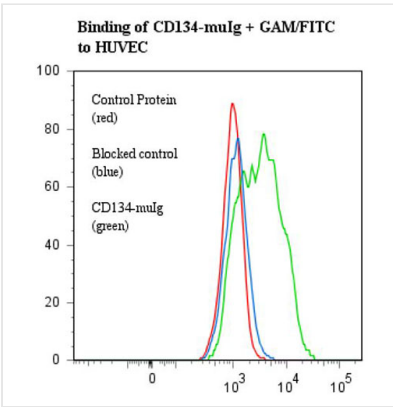
CD134; CD134(OX40)-mulg-Purified Preservative Free; Human CD134(OX40)-mulg Fusion Protein; CD134 protein

PRODUCT SPECIFICATIONS

Host	CHO cells
Reactivity	Human
Purity/Purification	Purified Preservative Free
Form/Format	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	277
Applicable Applications for CD134 protein	ELISA, FCM/FACS (Flow Cytometry)
Molecular Structure	A soluble molecule consisting of the extracellular (177 aa) domain of human CD134 fused to the murine IgG2a hinge + Fc (233 aa). Predicted monomeric non glycosylated weight is 45.6 kd. Fusion construct is dimeric and runs at about 105 kd in non reduced SDS-PAGE.
Transfectant Cell Line	CHO
Performance	Indirect binding: CD134-mulg fusion protein bound to cell surface CD252 on HUVEC dected with GAM/FITC. Cells stained positive with a mean shift of 0.62 log10 fluorescent units. Blocking counter ligand: Pre incubation of recombinant soluble CD252(OX40L)-muCD8 with a 10-fold excess of CD134-mulg blocked binding to human HPB-MLT cells dectected by anti-murine CD8/PE.
Production	Fusion protein from (low FBS containing) tissue culture supernatant of transfectants was purified using size exclusion chromatography. Product was 0.2u sterile filtered and viald under aseptic conditions.
Buffer	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.
Preparation and Storage	Store at 2 - 5 degree C. Open under aseptic conditions. Freeze/Thawing is not recommended. Product should retain activity for at least 12 months after shipping date when stored as recommended.



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for CD134 protein	Information: Human CD134 (OX40) (ACT35) is an activation-associated antigen which is predominantly expressed on activated CD4 positive cells. CD134 antigen is a member of the tumor necrosis factor (TNF) receptor family of molecules and may be involved with regulating T cell-dependent B cell proliferation and differentiation (2). The CD134 costimulatory pathway seems to be more effective for costimulation of CD4+ helper T cells than for CD8+ effector T cells (5). Blockade of this interaction in mouse abrogated immunological effects in several models of inflammation and rejection (6,7,8,9). CD134-muIg fusion protein binds to CD134L on Human Umbilical Cord Endothelial Cells (HUVEC).
References	1) U. Latza, et al, (1994) Eur J Immunol 24: 677-683. 2) E. Stuber, et al, (1995) Immunity 2: 507-521. 3) Leukocyte Typing IV (W. Knapp, et al, eds.) Oxford University Press, Oxford, (1989) p. 464-465. 4) Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 1157-1160. 5) V.Y. Taraban, et al, (2002) Eur J. Immunol. 32: 3617-3627. 6) V. Malmstrom, et al, (2001) J Immunol 166: 6972. 7) C. Nohara, et al, (2001) J Immunol 166: 2108-2115. 8) X. Yuan, et al, (2003) J Immunol 170: 2949-2955. 9) L. Tian, et al, (2002) Transplantation 74(1): 133-138.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8926702
NCBI GeneID	7293
UniProt Accession #	P43489; Q13663; Q2M312; Q5T7M0
Molecular Weight	29,341 Da
NCBI Official Full Name	CD134 antigen
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 4
NCBI Official Symbol	TNFRSF4
NCBI Official Synonym Symbols	OX40; ACT35; CD134; IMD16; TXGP1L
NCBI Protein Information	tumor necrosis factor receptor superfamily member 4; OX40 antigen; ACT35 antigen; ATC35 antigen; CD134 antigen; OX40 homologue; OX40L receptor; OX40 cell surface antigen; lymphoid activation antigen ACT35; TAX transcriptionally-activated glycoprotein 1 receptor; tax-transcriptionally activated glycoprotein 1 receptor
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 4
UniProt Gene Name	TNFRSF4
UniProt Synonym Gene Names	TXGP1L
UniProt Entry Name	TNR4_HUMAN

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://www.aaabiotech.com/cho-cells-human-protein/cd134/78193>