

CD252 protein

CD252(OX40L)-muCD8-Biotin

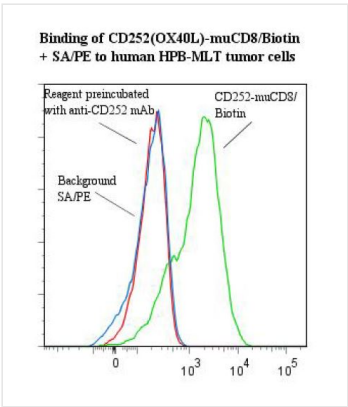
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78194	CHO cells	Human	ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD252; CD252(OX40L)-muCD8-Biotin; Human CD252(CD134L)-muCD8/Biotin; CD252 protein

PRODUCT SPECIFICATIONS

Host	CHO cells
Reactivity	Human
Form/Format	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA.
Concentration	0.5 mg/ml (varies by lot)
Applicable Applications for CD252 protein	ELISA, FCM/FACS (Flow Cytometry)
Molecular Structure	A soluble molecule consisting of the extracellular domain (132 aa) of human CD252 fused to the extracellular domain (167aa) of murine CD8 alpha.
Transfectant Cell Line	CHO
Performance	Five x 10 ⁵ cultured human HPB-MLT cells per tube were washed and incubated 45 minutes on ice with 80 ul of CD252-muCD8/Biotin at a concentration of 10 ug/ml. Cells were washed twice and incubated with 2 degree reagent Streptavidin/R-PE, after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 0.9 log ₁₀ fluorescent units when compared to a buffer control. Binding was blocked when reagent was pre incubated with anti-CD252 antibody at a concentration of 100 ug/ml.
Conjugation	Biotin
Production	Fusion protein from (low FBS containing) tissue culture supernatant of transfectants was purified using affinity and size exclusion chromatography), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.
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).
Preparation and Storage	Store at 2 - 5 degree C. Freeze/Thawing is not recommended.



Application Data

ADDITIONAL INFORMATION

Related Product Information for CD252 protein	Information: Human CD252 (CD134L, OX-40 Ligand) is a type II membrane protein with homology to TNF which is expressed on activated B cells and activated endothelial cells. CD252 is involved with costimulatory activity between B cells and T cells (1). CD252-muCD8 fusion protein binds to CD134 positive cells in Flow cytometry.
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.

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.