PERFORMANCE DATA SHEET
1819

For maximal recovery of contents please quick spin vial before opening

Human CD252(CD134L)-muCD8/Biotin*

CATALOG#: 512-030
QUANTITY: 25 μg **CONCENTRATION: 0.5 mg/ml**

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

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.

STORAGE CONDITIONS: ***Store at 2 - 5°C***. Freeze/Thawing is not recommended.

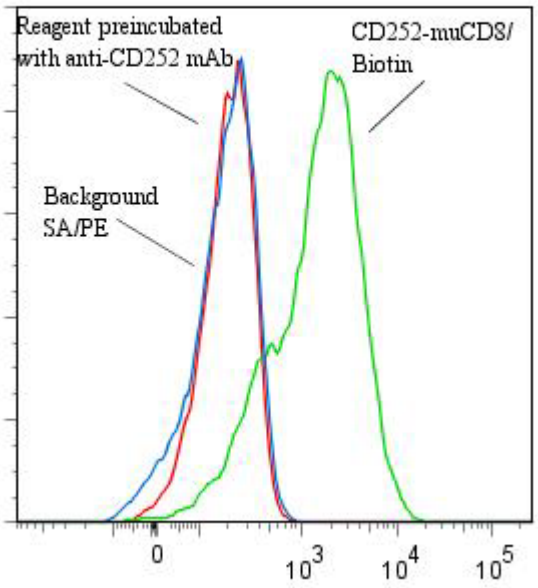
PRODUCT STABILITY: Product should retain activity for at least 6 months after shipping date when stored as recommended. Ship Date:_____

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).

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.

PERFORMANCE: Five x 10^5 cultured human **HPB-MLT** cells per tube were washed and incubated 45 minutes on ice with 80 μl of CD252-muCD8/Biotin at a concentration of **10 μg/ml**. Cells were washed twice and incubated with 2° reagent Streptavidin/R-PE (Catalog #253-050), 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 (Catalog #400-020) at a concentration of 100 μg/ml.

Binding of CD252(OX40L)-muCD8/Biotin + SA/PE to human HPB-MLT tumor cells



This Product is intended for Laboratory Research use only.

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