PERFORMANCE DATA SHEET
2552

For maximal recovery of contents please quick spin vial before opening

Human CD28-muIg/Biotin *Fusion Protein**

CATALOG#: 508-030
QUANTITY: 25 µg **CONCENTRATION: 0.5 mg/ml**

Human CD28 is an important costimulatory molecule found on all $CD4^+$ T cells and on about half of the $CD8^+$T cells. T cell activities attributed to CD28 include, prevention of anergy, induction of cytokine gene transcription, stabilization of cytokine mRNAs and activation of $CD8^+$ cytotoxic T lymphocytes. The ligands for CD28, identified as CD80 (B7-1) and CD86 (B7-2), are immunoglobulin superfamily monomeric transmembrane glycoproteins of 60 kd and 80 kd, respectively.

Molecular Structure: A soluble fusion protein consisting of the extracellular (134aa) domain of human CD28 fused to murine IgG2a Fc (233aa).
Transfectant Cell Line: CHO
Immunochemistry Applications: Blocking Antibody binding to CD28, Component for ELISA use
References: (1.) M.K. Jenkins & J.G. Johnson, (1993) Curr Opin Immunol 5: 361-367. (2.) 61st Forum in Immunology, (1995) Res Immunol 146: 127-205. (3.) I. Kariv, A. Truneh & R.W. Sweet, (1996) J Immunol 157: 29-38.

STORAGE CONDITIONS: ***Store at 2 - 5^{o}C.*** Freeze/Thawing is not recommended.

PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

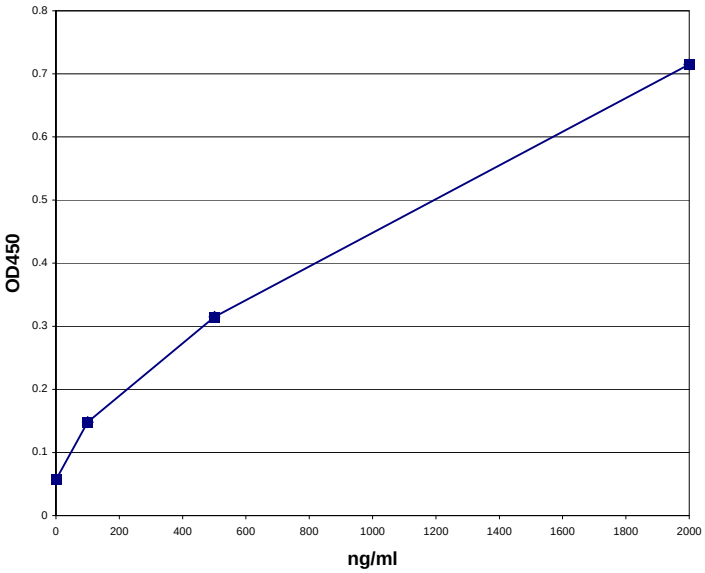
BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN_3 (as a preservative).

PRODUCTION: Human CD28-muIg fusion protein was Protein A purified from (low FBS containing) tissue culture supernatant of CHO transfectants, and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate by diafiltration.

PERFORMANCE: CD28-muIg/Biotin activity was assessed in EIA utilizing GAM-captured Recombinant CD80-muIg, and Streptavidin/HRP as a detector. In this format, the fusion protein was detectable at **100 ng/ml**.

Research use only. Not for use in Diagnostic procedures.

Binding of CD28-muIg to captured CD80-muIg with SA/HRP detection



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