

Active Recombinant Human CD28 protein, Biotin-labelled

Cat. No. CD28-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CD28-mulg 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. A soluble fusion protein consisting of the extracellular (134aa) domain of human CD28 fused to murine IgG2a Fc (233aa).
Species	Human
Source	CHO
Description	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.
Bio-activity	CD28-mulg/Biotin activity was assessed in EIA utilizing GAM-captured Recombinant CD80-mulg, and Streptavidin/HRP as a detector. In this format, the fusion protein was detectable at 100 ng/ml.
Notes	Research use only. Not for use in Diagnostic procedures.
Stability	Product should retain activity for at least 12 months after shipping date when stored as recommended.

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Storage	Store at 2 - 5 centigrade. Freeze/Thawing is not recommended.
Concentration	0.5 mg/mL
Storage Buffer	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN3 (as a preservative).
Conjugation	Biotin
GENE INFORMATION	
Gene Name	CD28
Official Symbol	CD28 CD28 molecule [Homo sapiens (human)]
Synonyms	CD28; CD28 molecule; Tp44; T-cell-specific surface glycoprotein CD28; CD28 antigen
Gene ID	940
mRNA Refseq	NM_006139
Protein Refseq	NP_006130
MIM	186760
UniProt ID	P10747

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