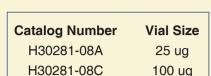
Biotin Anti-Human CD28 Monoclonal Antibody





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Important Note: Centrifuge before opening to ensure complete recovery of vial contents. This product is guaranteed up to one year from purchase.

Purified Antibody Characterization

Clone	Isotype	Reactivity
CD28.2	Mouse IgG1	Human

Description

CD28 is a 44 kD disulfide-linked homodimeric type I glycoprotein. It is a member of the immunoglobulin superfamily and is also known as T44 or Tp44. CD28 is expressed on most T lineage cells, NK cell subsets, and plasma cells. CD28 binds both CD80 and CD86 using a highly conserved motif MYPPY in the CDR3-like loop. CD28 is considered a major co-stimulatory molecule, inducing T lymphocyte activation and IL-2 synthesis, and preventing cell death. In vitro studies indicate that ligation of CD28 on T cells by CD80 and CD86 on antigen presenting cells provides a costimulatory signal required for T cell activation and proliferation.

Product Information

Conjugation: Biotin

Formulation: PBS pH 7.2, 0.09% NaN₃,

0.2% BSA

Storage: Keep as concentrated solution. Store at 4°C and protected from prolonged

exposure to light. Do not freeze.

Application: Recommended Application:FC

Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis (The amount of the reagent is suggested to be used ≤ 0.5 µg per 10^6 cells in 100 µl volume or 100 µl of whole blood. Please check your vial). Since applications vary, the appropriate dilutions must be determined for individual use.

References

- [1] Schlossman S, et al. Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.
- [2] June CH, et al. 1994. Immunol. Today 15:321.
- [3] Linskey PS, et al. 1993. Annu. Rev. Immunol. 11:191.

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