

Purified Anti-Human CD28 Antibody[CD28.2]

Catalog No. E-AB-F1195A

Note: Centrifuge before opening to ensure complete recovery of vial contents.

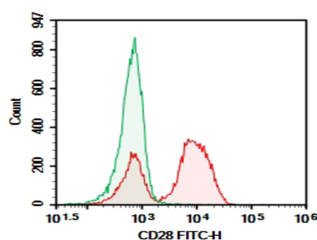
Description

Reactivity	Human
Host	Mouse
Isotype	Mouse IgG1, κ
Clone	CD28.2
Conjugation	Unconjugated
Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications Recommended Dilution

FCM	2 $\mu\text{g/mL}$ (1×10^5 - 5×10^5 cells)
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Data



Human peripheral blood red blood cells were stained with 0.2 μg Purified Anti-Human CD28 Antibody[CD28.2] (Right) and 0.2 μg Mouse IgG1, κ Isotype Control(Left), followed by FITC-conjugated Goat Anti-Mouse IgG Secondary Antibody.

Preparation & Storage

Storage This product can be stored at 2-8°C for 12 months. Do not freeze.

Background

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.

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