

A Reliable Research Partner in Life Science and Medicine

## AF/LE Purified Anti-Human CD28 Antibody[CD28.2]

catalog number: E-AB-F11950

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

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Reactivity Human Host Mouse

 Isotype
 Mouse IgG1, κ

 Clone
 CD28.2

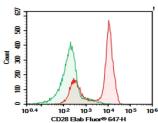
Buffer Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL

method.

Applications Recommended Dilution

FCM  $2 \mu g/mL(0.5 \times 10^6 - 1 \times 10^6 \text{ cells})$ 

## Data



Human peripheral blood red blood cells were stained with 0.2 μg AF/LE 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 Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze /

thaw cycles. This preparation contains no preservatives, thus it should be handled

under aseptic conditions.

Shipping Ice bag

## **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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