10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Anti-CD28-AcalephFluor568-labled

Catalog # AP101046

## Product Information

| | |
|---|---|
| **Application** | FC, IF/IC |
| **Primary Accession** | P31041 |
| **Reactivity** | Mouse |
| **Clonality** | Monoclonal |
| **Calculated MW** | 25243 |

## Additional Information

| | |
|---|---|
| **Gene ID** | 12487 |
| **Other Names** | T-cell-specific surface glycoprotein CD28; TP44; CD28 |
| **Target/Specificity** | Recognizes mouse CD28 |
| **Dilution** | FC~~1:10~50 IF/IC~~N/A |
| **Format** | Syrian Hamster IgG. Liquid in PBS, pH 7.3, 0.2% BSA, and 0.02% sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

## Protein Information

| | |
|---|---|
| **Name** | Cd28 |
| **Function** | Receptor that plays a role in T-cell activation, proliferation, survival and the maintenance of immune homeostasis (PubMed:7688139). Functions not only as an amplifier of TCR signals but delivers unique signals that control intracellular biochemical events that alter the gene expression program of T-cells. Stimulation upon engagement of its cognate ligands CD80 or CD86 increases proliferation and expression of various cytokines in particular IL2 production in both CD4(+) and CD8(+) T-cell subsets. Mechanistically, ligation induces recruitment of protein kinase C-theta/PRKCQ and GRB2 leading to NF-kappa-B activation via both PI3K/Akt-dependent and -independent pathways. In conjunction with TCR/CD3 ligation and CD40L costimulation, enhances the production of IL4 and IL10 in T-cells. |
| **Cellular Location** | Cell membrane; Single-pass type I membrane protein {ECO:0000250\|UniProtKB:P10747} |

## Background

AcalephFluor568-labled syrian hamster monoclonal antibody to CD28

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.