PE Anti-Human CD28 (CD28.2)

Catalog Number: **PE-65099**

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
PE-65099

Concentration:
100tests, 5 μl/test

Source:
Mouse

Isotype:
IgG1, kappa

GenBank Accession Number:
BC093698

GeneID (NCBI):
940

ENSEMBL Gene ID:
ENSG00000178562

UNIPROT ID:
P10747

Full Name:
CD28 molecule

Calculated MW:
220 aa, 25 kDa

Purification Method:
Affinity purification

CloneNo.:
CD28.2

Recommended Dilutions:
FC: 5 ul per 10^6 cells in 100 μl suspension

Excitation/Emission maxima wavelengths:
496 nm, 565 nm / 578 nm

Applications

Tested Applications:
FC

Species Specificity:
Human

Positive Controls:

FC : human PBMCs,

Background Information

CD28 (T-cell-specific surface glycoprotein CD28), also known as T44 and Tp44, is a 44 kD disulfide-linked homodimeric type I glycoprotein (PMID: 2162180). It is a member of the immunoglobulin superfamily and is expressed on most T lineage cells, NK cell subsets, and plasma cells (PMID: 2162180, 8386518). CD28 may affect in vivo immune responses by functioning both as a cell adhesion molecule linking B and T lymphocytes and as the surface component of a novel signal transduction pathway (PMID: 2162180, 3021470). CD28 binds both CD80 and CD86 with a highly conserved motif MYPPPY in the CDR3-like loop (PMID: 15696168, 7964482). CD28 is considered a major co-stimulatory molecule, inducing T lymphocyte activation and IL-2 synthesis, and preventing cell death (PMID: 1348520).
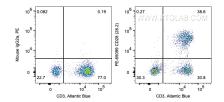
Storage

Storage:
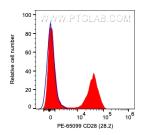Store at 2-8℃. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

Selected Validation Data

1X10^6 human PBMCs were surface co-stained with CD3 and 5 ul PE Anti-Human CD28 (PE-65099, Clone:CD28.2) or Mouse IgG2a Isotype Control. Cells were not fixed. Lymphocytes were gated.

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