CoraLite® Plus 488 Anti-Human CD28 Rabbit Recombinant Antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number:CL488-98032

Basic Information

Catalog Number:
CL488-98032

Size:
100tests, 5 μl/test

Source:
Rabbit

Isotype:
IgG

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:
Protein A purification

CloneNo.:
240354D2

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
FC

Species Specificity:
human

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 MYPPY 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).
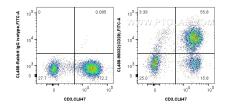
Storage

Storage:
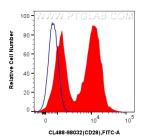Store at 2-8℃. Avoid exposure to light.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

Selected Validation Data

1x10^6 human PBMCs were surface stained with CoraLite® Plus 647 Anti-Human CD3 and 5 ul CoraLite® Plus 488 Anti-Human CD28 Rabbit Recombinant Antibody (CL488-98032, Clone:240354D2), or Isotype Control. Cells were not fixed. Lymphocytes were gated.

1x10^6 human PBMCs were surface stained with 5 ul CoraLite® Plus 488 Anti-Human CD28 Rabbit Recombinant Antibody (CL488-98032, Clone:240354D2) (red), or Isotype Control (blue). Cells were not fixed. Lymphocytes were gated.