CD28 (phospho-Y218) polyclonal antibody

Catalog: BS4665 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

T cell proliferation and lymphokine production are triggered by occupation of the TCR by antigen, followed by a costimulatory signal that is delivered by a ligand expressed on antigen presenting cells. The B7-related cell surface proteins CD80 (B7-1) and CD86 (B7-2) are expressed on antigen presenting cells, bind the homologous T cell receptors CD28 and CTLA-4 (cytotoxic T lymphocyte-associated protein-4) and trigger costimulatory signals for optimal T cell activation. CTLA-4 shares 31% overall amino acid identity with CD28, and it has been proposed that CD28 and CTLA-4 are functionally redundant. SLAM is a novel receptor on T cells that, when engaged, potentiates T cell expansion in a CD28-independent manner. B7, also designated BB1, is another ligand or counterreceptor for CD28 and CTLA-4 that is expressed on the antigen-presenting cell.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 26, 47, 90 kDa

Swiss-Prot:

P10747

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

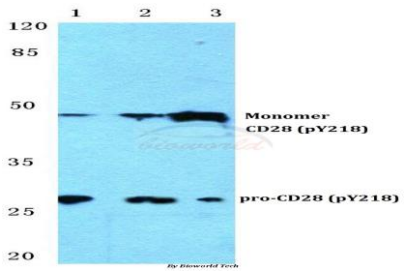
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

p-CD28 (Y218) polyclonal antibody detects endogenous levels of CD28 protein only when phosphorylated at Tyr218.

DATA:



Western blot (WB) analysis of p-CD28 (Y218) polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate treated with colchicine(0.2μg/ML,24h)

Lane2:Raw264.7 cell lysate treated with colchicine(0.2μg/ML,24h)

Lane3:H9C2 cell lysate treated with colchicine(0.2μg/ML,24h)

Note:

For research use only, not for use in diagnostic procedure.

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