

## Product Information

Contents: Phycoerythrin (PE) anti-human CD28 (costimulatory)

Catalog Number: 12-0289

Sizes: 25 tests, 100 tests

Formulation: Phosphate buffer pH 7.2, 150 mM NaCl, 0.09% NaN<sub>3</sub>, 0.2% BSA

Storage Conditions: Store at 4°C.

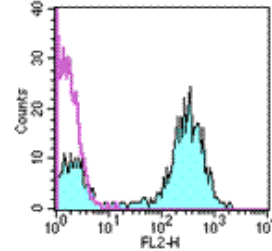
DO NOT FREEZE.

LIGHT-SENSITIVE MATERIAL.

Clone: CD28.2

Isotype: Mouse IgG1, κ

HLDA No.: V 5T CD28.05



*Staining of normal human peripheral blood cells with staining buffer (autofluorescence) (open histogram) or PE CD28.2 (colored histogram). Cells in the lymphocytes gate were used for analysis.*

### Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-0289	FITC anti-human CD28 (costimulatory)	488	518	FC
12-0289	PE anti-human CD28 (costimulatory)	488	575	FC
13-0289	Biotin anti-human CD28 (costimulatory)	N/A	N/A	FC
14-0289	Affinity Purified anti-human CD28 (costimulatory)	N/A	N/A	FA FC IHC IP
16-0289	Functional Grade* Purified anti-human CD28 (costimulatory)	N/A	N/A	FA FC
17-0289	APC anti-human CD28 (costimulatory)	633	660	FC
25-0289	Phycoerythrin-Cy7 (PE-Cy7) anti-human CD28 (costimulatory)	488	760	FC

\*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/μg.  
Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

## Description

The CD28.2 monoclonal antibody reacts with the human CD28 molecule, a 44 kDa homodimer expressed by thymocytes, mature T cells and plasma cells. CD28 is a ligand for CD80 (B7-1) and CD86 (B7-2) and is a potent co-stimulator of T cells. Signaling through CD28 augments IL-2 and IL-2 receptor expression as well as cytotoxicity of CD3-activated T cells.

## Usage

For research use only, not for diagnostic or therapeutic use. The CD28.2 antibody has been reported for use in flow cytometric analysis.

## Applications Tested

The CD28.2 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 20 μl per 100 μl blood (or per 1 million cells in 100 μl total staining volume).

## Related Products

- Cat. 11-0289 FITC anti-human CD28 (costimulatory) (clone CD28.2)
- Cat. 13-0289 Biotin anti-human CD28 (costimulatory) (clone CD28.2)
- Cat. 14-0289 Affinity Purified anti-human CD28 (costimulatory) (clone CD28.2)
- Cat. 16-0289 Functional Grade Purified anti-human CD28 (costimulatory) (clone CD28.2)
- Cat. 17-0289 APC anti-human CD28 (costimulatory) (clone CD28.2)
- Cat. 12-4714 Phycoerythrin (PE) Mouse IgG1, K Isotype Control

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References

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Schlossman, S., L. Bloumsell, et al. eds. 1995. Leucocyte Typing V: White Cell Differentiation Antigens. Oxford University Press. New York.

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