

**CD28 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6982b****Specification**

---

**CD28 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [P10747](#)

**CD28 Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 940

**Other Names**

T-cell-specific surface glycoprotein CD28, TP44, CD28, CD28

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6982b](/products/AP6982b) was selected from the C-term region of human CD28. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**CD28 Antibody (C-term) Blocking Peptide - Protein Information**

**Name** CD28

**Function**

Involved in T-cell activation, the induction of cell proliferation and cytokine production and promotion of T-cell survival. Enhances the production of IL4 and IL10 in T-cells in conjunction with TCR/CD3 ligation and CD40L costimulation (PubMed:[8617933](http://www.uniprot.org/citations/8617933)). Isoform 3 enhances CD40L-mediated activation of NF-kappa-B and kinases MAPK8 and PAK2 in T-cells (PubMed:[15067037](http://www.uniprot.org/citations/15067037)).

**Cellular Location**

Membrane; Single-pass type I membrane protein.

**Tissue Location**

Expressed in T-cells and plasma cells, but not in less mature B-cells

## **CD28 Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **CD28 Antibody (C-term) Blocking Peptide - Images**

## **CD28 Antibody (C-term) Blocking Peptide - Background**

CD28 costimulation is essential for CD4-positive T-cell proliferation, survival, interleukin-2 production, and T-helper type-2 (Th2) development.

## **CD28 Antibody (C-term) Blocking Peptide - References**

Zocchi, M.R., et.al., Eur. J. Cancer 28A (4-5), 749-754 (1992)