

**CD80 Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3050a

**Specification**

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**CD80 Antibody (internal region) - Product Information**

Application	WB
Primary Accession	<a href="#">P33681</a>
Other Accession	<a href="#">NP_005182.1</a> , <a href="#">941</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	33048

**CD80 Antibody (internal region) - Additional Information**

**Gene ID** 941

**Other Names**

T-lymphocyte activation antigen CD80, Activation B7-1 antigen, BB1, CTLA-4 counter-receptor B7.1, B7, CD80, CD80, CD28LG, CD28LG1, LAB7

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CD80 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**CD80 Antibody (internal region) - Protein Information**

**Name** CD80

**Synonyms** CD28LG, CD28LG1, LAB7

**Function**

Involved in the costimulatory signal essential for T- lymphocyte activation. T-cell proliferation and cytokine production is induced by the binding of CD28, binding to CTLA-4 has opposite effects and inhibits T-cell activation.

**Cellular Location**

Membrane; Single-pass type I membrane protein.

#### Tissue Location

Expressed on activated B-cells, macrophages and dendritic cells

#### CD80 Antibody (internal region) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### CD80 Antibody (internal region) - Images



AF3050a (1  $\mu$ g/ml) staining of Lymph Node lysate (35  $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

#### CD80 Antibody (internal region) - References

T cell-encoded CD80 and 4-1BBL induce auto- and transcostimulation, resulting in potent tumor rejection. Stephan MT, Ponomarev V, Brentjens RJ, Chang AH, Dobrenkov KV, Heller G, Sadelain M, Nature medicine 2007 Dec 13 (12): 1440-9. PMID: 18026115