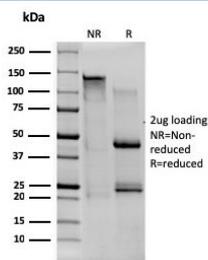


## CD80 Antibody / B7-1 [clone C80/1608] (V3297)

Catalog No.	Formulation	Size
V3297-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3297-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3297SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	C80/1608
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P33681
<b>Localization</b>	Cytoplasmic, membranous
<b>Applications</b>	ELISA (order BSA/sodium Azide-free Format For Coating) :
<b>Limitations</b>	This CD80 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free CD80 antibody (clone C80/1608) as confirmation of integrity and purity.

## Description

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 CTLA-4 (cytotoxic T lymphocyte-associated protein-4) and CD28 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 counter receptor for CD28 and CTLA-4 that is expressed on the antigen-presenting cell.

## **Application Notes**

Optimal dilution of the CD80 antibody should be determined by the researcher.

## **Immunogen**

Recombinant human protein used as the immunogen for the CD80 antibody.

## **Storage**

Store the CD80 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).