

Product datasheet for **PP1132B1**

Cd80 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	<u>ELISA:</u> To detect mB-71 by direct ELISA (using 100 µl/well antibody solution) this antibody can be used at a concentration of 0.15 - 0.30 µg/ml. Used in conjunction with compatible secondary reagents, allows the detection of at least 0.2 ng/well of recombinant mB-71. <u>Western Blot:</u> To detect mB-71 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 mg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant mB-71 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) recombinant mB-71 (murine B-71).
Formulation:	Restore to a concentration of 50 mg/ml with sterile PBS solution containing Label: Biotin State: Lyophilized (sterile filtered) purified Ig fraction.
Reconstitution Method:	Restore to a concentration of 50 µg/ml with sterile PBS solution containing 0.1% BSA. This solution can be stored at 40C for at least one month without detectable loss of activity
Purification:	Affinity chromatography.
Conjugation:	Biotin
Storage:	The lyophilized antibody is stable at -20°C for one year from date of despatch. Reconstituted antibody is stable for 2 weeks at 2-8°C and for six months when stored in working aliquots at -20°C. Avoid repeated freezing and thawing.
Gene Name:	CD80 antigen
Database Link:	<u>Entrez Gene 12519 Mouse Q00609</u>



[View online »](#)

Background:

CD80 is a member of the Ig superfamily and serves as the ligand for two T cell molecules, CD28 and CTLA4. Interactions between CD28 and CD80 on activated B cells result in enhanced T cell activation. CD80 is rapidly induced on the surface of in vitro activated B cells, Epstein Barr Virus (EBV) transformed B cell lines, Burkitts lymphoma cell lines, freshly isolated follicular B lymphoma cells, T cells, and monocytes. It is also expressed at high levels in dendritic cells. It reacts weakly with a small proportion of non activated normal B cells and with HTLV1 infected T cells. CD80 does not react with peripheral monocytes, resting and activated normal T cells, T cell lines and T cell clones, nor with myelomonocytic cell lines.

Synonyms:

CD28LG, CD28LG1, LAB7, BB1, B7.1, B7-1