



Anti human CD80 (B7-1)

Specificity: Recognizes the extra-cellular domain of human CD80 (also called B-7-1).

Cell Distribution: CD80 is rapidly induced on the surface of activated B cells, T cells and monocytes and is also expressed at high levels on dendritic cells.

Function: CD80 is one of two ligands (the other CD86) for CTLA4 and CD28. CD80 acts as co-stimulatory molecule in eliciting T-cell help during antigen presentation. Antigen presentation in the absence of sufficient costimulation involving CD86/CD80 can induce tolerance. CD80 appears to play a role distinct from CD86 in T helper cell differentiation.

Isotype: mouse IgG1.

Clone: AS29

Concentration: 1 mg/ml of purified antibody.

Formulation: Provided as 0.2 μ m sterile filtered solution in phosphate buffered saline.

Applications: Neutralization: AS29 has been shown to block the interaction of soluble hCD80 with hCTLA-4; Immunoprecipitation: This antibody has been used to immunoprecipitate >90% of CD80 in solution using a double antibody method. (Midgley, AR and Hepburn, MR, Methods Enzymol. 70, 266, 1980)

Immunogen: Recombinant extracellular domain of human CD80. Does not bind the extracellular domain of CD86.

Antibody Source: *In vitro* cell culture, protein G purified.

Antibody Purity: > 95 % by SDS PAGE

Storage: Antibodies should be stored frozen at -20°C . Product stable for one year from date of purchase.

Ordering Information:	Form	Vial Size	Catalog #
	Pure	100 μ g	0801

For research use only. Not for use in human diagnostics or therapeutics.