

CD80 Conjugated Antibody

Catalog No: #C49409



Package Size: #C49409-AF350 100ul #C49409-AF405 100ul #C49409-AF488 100ul

#C49409-AF555 100ul #C49409-AF594 100ul #C49409-AF647 100ul

#C49409-AF680 100ul #C49409-AF750 100ul #C49409-Biotin 100ul

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Description

Product Name	CD80 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Activation B7-1 antigen antibody B lymphocyte activation antigen B7 antibody B7 antibody B7-1 antibody B7-1 antigen antibody B7.1 antibody BB1 antibody CD28 antigen ligand 1 antibody CD28LG antibody CD28LG1 antibody CD80 antibody CD80 antigen (CD28 antigen ligand 1, B7-1 antigen) antibody CD80 antigen antibody CD80 molecule antibody CD80_HUMAN antibody Costimulatory factor CD80 antibody costimulatory molecule variant IgV-CD80 antibody CTLA-4 counter-receptor B7.1 antibody LAB7 antibody T-lymphocyte activation antigen CD80 antibody
Accession No.	Swiss-Prot#:P33681
Uniprot	P33681
GeneID	941;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	60 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

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 counterreceptor for CD28 and CTLA-4 that is expressed on the antigen-presenting cell.

Note: This product is for in vitro research use only