



Anti-CD80 monoclonal antibody, clone 2D10 [R-PE/Cy5®] (CABT-46707MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This product recognises the human CD80 cell surface antigen, also known as B7-1. CD80 is expressed by activated B cells, and is important in B cell - T cell interactions, being a ligand of CD28 and CD152 (CTLA-4). Flow Cytometry Use 20ul of the suggested working dilution to label 106 cells or 100ul whole blood.
Specificity	CD80
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	2D10
Conjugate	PE/Cy5
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - Cy5 - liquid
Size	2 ml
Preservative	0.09% Sodium Azide
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CD80 CD80 molecule [Homo sapiens (human)]
Official Symbol	CD80
Synonyms	CD80; CD80 molecule; B7; BB1; B7-1; B7.1; LAB7; CD28LG; CD28LG1; T-lymphocyte activation antigen CD80; activation B7-1 antigen; costimulatory factor CD80; CTLA-4 counter-receptor B7.1; B-lymphocyte activation antigen B7; costimulatory molecule variant IgV
Entrez Gene ID	941
Protein Refseq	NP_005182
UniProt ID	P33681
Chromosome Location	3q13.3-q21
Pathway	Adaptive Immune System; Allograft Rejection; Allograft rejection; Autoimmune thyroid disease; CD28 co-stimulation; CD28 dependent PI3K/Akt signaling; CD28 dependent Vav1 pathway; CTLA4 inhibitory signaling;
Function	coreceptor activity; protein binding;