



Anti-CD80 monoclonal antibody, clone 48832 [Biotin] (DCABY-4286)

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

PRODUCT INFORMATION

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| Antigen Description | View B7-1 IHC images. |
| Specificity | Detects human B7-1/CD80 in ELISAs and Western blots. Does not cross-react with recombinant mouse (rm) B7-1, recombinant rat B7-1, recombinant human (rh) B7-H1, rhB7-H2, rhB7-H3, rhB7-2, or rmPD-L2. |
| Immunogen | S. frugiperda insect ovarian cell line Sf 21-derived recombinant human B7-1/CD80. Val35-Asn242 Accession Number P33681 |
| Isotype | IgG1 |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Clone | 48832 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Conjugate | Biotin |
| Applications | Western Blot, ELISA Detection (Matched Pair) |
| Format | Liquid |
| Size | 100 µg |
| Buffer | Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. |
| Preservative | None |

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| Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. |
| | 12 months from date of receipt, -20 to -70 °C as supplied. |
| | 1 month, 2 to 8 °C under sterile conditions after reconstitution. |
| | 6 months, -20 to -70 °C under sterile conditions after reconstitution. |

GENE INFORMATION

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| 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 | A0N0P2 |
| 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; |