



Anti-CD28 monoclonal antibody, clone E18 (CABT-48083MM)

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

PRODUCT INFORMATION

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| Product Overview | Mouse anti Mouse CD28 antibody, clone E18 recognizes murine CD28, a co-stimulatory cell surface molecule expressed by T cell subsets. Clone E18 has been shown to be able to stimulate murine T lymphocytes in combination with anti-mouse CD3. Flow Cytometry Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul. |
| Specificity | CD28 |
| Immunogen | Alternate immunisation with A20 cells expressing mCD28 and recombinant mCD28Ig. |
| Isotype | IgG2b |
| Source/Host | Mouse |
| Species Reactivity | Mouse |
| Clone | E18 |
| Conjugate | Unconjugated |
| Applications | FC; FA |
| Format | Purified IgG - liquid |
| Size | 500 µg |
| Preservative | None |
| Storage | in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. |

GENE INFORMATION

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| Gene Name | Cd28 CD28 antigen [Mus musculus (house mouse)] |
| Official Symbol | CD28 |
| Synonyms | CD28; CD28 antigen; T-cell-specific surface glycoprotein CD28; |
| Entrez Gene ID | 12487 |
| Protein Refseq | NP_031668 |
| UniProt ID | P31041 |
| Chromosome Location | 1 C1-C3; 1 30.52 cM |
| Pathway | Adaptive Immune System; Allograft rejection; Autoimmune thyroid disease; CD28 co-stimulation; CD28 dependent PI3K/Akt signaling; CD28 dependent Vav1 pathway; Cell adhesion molecules (CAMs); Constitutive PI3K/AKT Signaling in Cancer; |
| Function | SH3/SH2 adaptor activity; protease binding; protein homodimerization activity; |