

AF/LE Purified Anti-Human CD28 Antibody[CD28.2]

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| Catalog No. | E-AB-F11950 | Reactivity | Human |
| Storage | Store at 2~8°C, Avoid freeze / thaw cycles | Applications | Activ,FCM |

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Antigen Information

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| Alternate Names | PAS2,MNS,HGpMiX,GYPA,GPSAT |
| Uniprot ID | P10747 |
| Background | CD28 is a 44 kD disulfide-linked homodimeric type I glycoprotein. It is a member of the immunoglobulin superfamily and is also known as T44 or Tp44. CD28 is expressed on most T lineage cells, NK cell subsets, and plasma cells. CD28 binds both CD80 and CD86 using a highly conserved motif MYPPY in the CDR3-like loop. CD28 is considered a major co-stimulatory molecule, inducing T lymphocyte activation and IL-2 synthesis, and preventing cell death. In vitro studies indicate that ligation of CD28 on T cells by CD80 and CD86 on antigen presenting cells provides a costimulatory signal required for T cell activation and proliferation. |

Product Details

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| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Size | 50µg/500µg/1mg |
| Clone No. | CD28.2 |
| Host | Mouse |
| Isotype | Mouse IgG1, κ |
| Reactivity | Human |
| Application | Activ,FCM |
| Isotype Control | AF/LE Purified Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F097930] |
| Storage Buffer | 0.2 µm filtered in PBS, pH 7.2. Azide Free (AF)/Low Endotoxin (LE): Contains no stabilizers or stabilizers. Endotoxin level is < 2 EU/mg as Determined by LAL gel clotting assay. |
| Shipping | Biological ice pack at 4 °C |
| Stability & Storage | Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light.Do not freeze. This product is guaranteed up to one year from purchase. |

For Research Use Only

Fluorophore

Conjugation: None (Purified antibody-Azide Free/Low endotoxin)

Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is $\leq 0.5 \mu\text{g}$ per 10^6 cells in $100 \mu\text{L}$ volume or $100 \mu\text{L}$ of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Related Information

1. Sample Preparation for Flow Cytometry <https://www.elabscience.com/List-detail-5594.html>
2. Staining Cell Surface Targets for Flow Cytometry <https://www.elabscience.com/List-detail-5568.html>
3. Flow Cytometry Troubleshooting Tips <https://www.elabscience.com/List-detail-5593.html>
4. How to select the appropriate detection channel through the spectrogram? <https://www.elabscience.com/List-detail-459742.html>