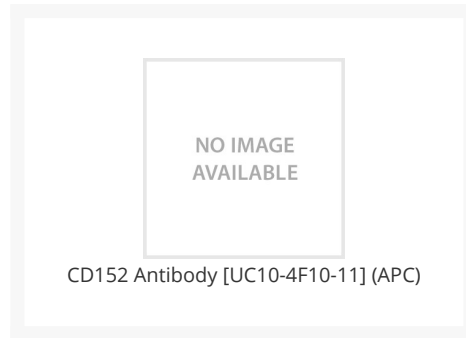




CD152 Antibody [UC10-4F10-11] (APC)

Cat. No.: 76-855



Ψ Specifications

| | |
|-----------------------------|---|
| HOST SPECIES: | Hamster |
| SPECIES REACTIVITY: | Mouse |
| TESTED APPLICATIONS: | Flow |
| SPECIFICITY: | The UC10-4F10-11 monoclonal antibody specifically reacts with the mouse Cytotoxic T-Lymphocyte Antigen-4 (CTLA-4), also known as CD152. |

Ψ Properties

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|------------------------|--|
| PURIFICATION: | The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product. |
| CLONALITY: | Monoclonal |
| ISOTYPE: | Armenian Hamster IgG |
| CONJUGATE: | APC |
| PHYSICAL STATE: | liquid |
| BUFFER: | Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2. |
| CONCENTRATION: | batch dependent |

STORAGE CONDITIONS:

The product should be stored undiluted at 4 °C and should be protected from prolonged exposure to light. Do not freeze.

Ψ Additional Info

| | |
|-------------------------|--|
| OFFICIAL SYMBOL: | Ctla4 |
| ALTERNATE NAMES: | Cd152, Ly-56, Ctla-4, Ctla4 |
| GENE ID: | 12477 |
| USER NOTE: | Optimal dilutions for each application to be determined by the researcher. |

Ψ Background and References

| | |
|--------------------|---|
| BACKGROUND: | <p>The UC10-4F10-11 monoclonal antibody specifically reacts with the mouse Cytotoxic T-Lymphocyte Antigen-4 (CTLA-4), also known as CD152. It is a protein with a structure similar to CD28 regarding the genomic organization, amino acid sequence, and structure. CTLA-4 is expressed on activated T cells and CD25+/CD4+ Treg lymphocytes and binds the members of the B7 family, B7-1 (CD80) and B7-2 (CD86), with higher affinity than CD28. CD28 seems to provide opposing signal to T lymphocytes, while CD152 inhibits the T lymphocytes progression to an activated state and their proliferation, CD28 is a costimulator. The mouse UC10 -4F10-11 monoclonal antibody does not cross-react with the rat leukocytes.</p> |
| REFERENCES: | <p>1) Herling, M., Teitell, M. A., Shen, R. R., Medeiros, L. J., Jones, D. (2003). TCL1 expression in plasmacytoid dendritic cells (DC2s) and the related CD4+ CD56+ blastic tumors of skin. <i>Blood</i>, 101(12), 5007-5009.</p> |
| | <p>2) Peduzzi, E., Groeper, C., Schtte, D., Zajac, P., Rondini, S., Mensah-Quainoo, E., ... Daubenberger, C. A. (2007). Local activation of the innate immune system in Buruli ulcer lesions. <i>Journal of Investigative Dermatology</i>, 127(3), 638-645.</p> |
| | <p>3) Sun, Q., Woodcock, J. M., Rapoport, A., Stomski, F. C., Korpelainen, E. I., Bagley, C. J., ... Lopez, A. F. (1996). Monoclonal antibody 7G3 recognizes the N-terminal domain of the human interleukin-3 (IL-3) receptor alpha-chain and functions as a specific IL-3 receptor antagonist. <i>Blood</i>, 87(1), 83-92.</p> |

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