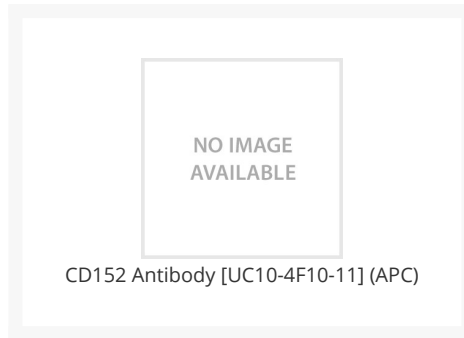




CD152 Antibody [UC10-4F10-11] (APC)

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

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, $\leq 0.09\%$ 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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