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

CATALOG NUMBER: 76-856

Specifications

SPECIES REACTIVITY:	Mouse
TESTED APPLICATIONS:	FACS
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	The UC10-4F10-11 monoclonal antibody specifically reacts with the mouse Cytotoxic T-Lymphocyte Antigen-4 (CTLA-4), also known as CD152.
HOST SPECIES:	Hamster

Properties

PURIFICATION:	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
PHYSICAL STATE:	liquid
BUFFER:	Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, ph7.2.
CONCENTRATION:	0.2 mg/mL
STORAGE CONDITIONS:	The product should be stored undiluted at 4˚C and should be protected from prolonged exposure to light. Do not freeze.
CLONALITY:	Monoclonal
ISOTYPE:	Armenian Hamster IgG
CONJUGATE:	APC

Additional Info

ALTERNATE NAMES:	Cd152, Ly-56, Ctla-4, Ctla4
OFFICIAL SYMBOL:	Ctla4
GENE ID:	12477

Background

BACKGROUND:	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.
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