Datasheet for ABIN7278333

anti-CTLA4 antibody (PE)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	CTLA4
Reactivity:	Mouse
Host:	Armenian Hamster
Clonality:	Monoclonal
Conjugate:	This CTLA4 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Clone:	UC10-4F10-11
Isotype:	IgG
Purification:	This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

Target Details

Target:	CTLA4
Alternative Name:	CD152 (CTLA-4) (CTLA4 Products)
Background:	The UC10-4F10-11 antibody is specific for mouse CD152, commonly known as CTLA-4, a 33-37 kDa protein expressed as a homodi- mer on the surface of activated T and B cells, and on

Target Details

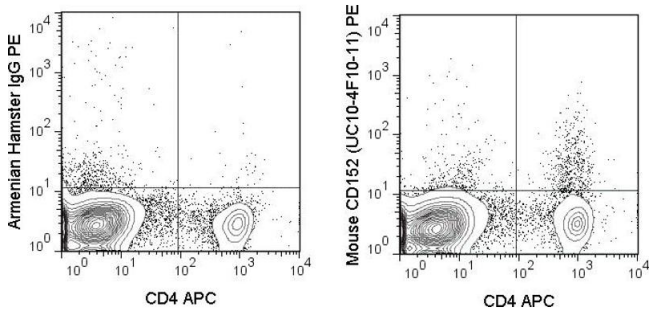
	thymocytes. CTLA-4 is structurally similar, yet functionally disparate, to the T cell co-stimulatory molecule CD28. Both CTLA-4 and CD28 interact with the co-stimulatory molecules CD80 (B7-1) and CD86 (B7-2) on antigen-presenting cells, with CTLA-4 displaying a higher avidity than CD28. While CD28 typically delivers a potent co-stimulatory signal in support of T cell activation, CTLA-4 appears to act as a negative regulator of T cell activation and may contribute to the suppressor function of Treg cells.CTLA-4 proteins may be initially sequestered within Golgi vesicles, from which they can be rapidly transferred to and from the cell surface, a mechanism by which Treg cells can selectively impart suppressive functions. The UC10-4F10-11 antibody may be used for flow cytometric analysis of CTLA-4 expression.
Gene ID:	12477
Pathways:	Cancer Immune Checkpoints

Application Details

Application Notes:	This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indi- cated). The amount of antibody required for optimal staining of a cell sample should be determined empirically in your system.
Comment:	0.2 mg/mL
Restrictions:	For Research Use only

Handling

Buffer:	10 mM NaH_2PO_4, 150 mM NaCl, 0.09 % Sodium azide, 0.1 % gelatin, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	2-8°C protected from light
Expiry Date:	12 months



Flow Cytometry

Image 1. C57Bl/6 splenocytes were stained with APC Anti-Mouse CD4 (ABIN6961540) followed by intracellular staining with 0.06 µg PE Anti-Mouse CD152 (ABIN6961540) (right panel) or 0.06 µg PE Armenian Hamster isotype control (left panel).