

# CTLA-4 Monoclonal Antibody (UC10-4F10-11), PE

Catalog NumberA18686

Product data sheet

Details		Species Reactivity	
Size	25 µg	Species reactivity	Mouse
Host/Isotope	Armenian hamster / IgG1, kappa	Tested Applications	
Class	Monoclonal	Dilution *	
Type	Antibody	Flow Cytometry (Flow)	Assay-dependent
Clone	UC10-4F10-11	<div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div>	
Immunogen	Mouse CD152		
Conjugate	PE		
Form	Liquid		
Concentration	0.2 mg/mL		
Storage Conditions	4° C		

## Background/Target Information

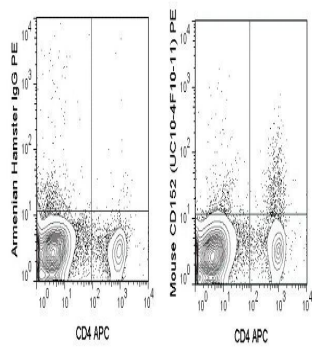
CTLA4 (Cytotoxic T-Lymphocyte Antigen 4) is a CD28-family receptor expressed on mainly CD4+ T cells. It binds the same ligands as CD28 (CD80 and CD86 on B cells and dendritic cells), but with higher affinity than CD28. However, in contrast to CD28 which enhances cell function when bound at the same time as the T cell receptor, CTLA4 inhibits the T cell and prevents it from functioning. Intracellular CTLA4 is also found in regulatory T cells and may be important to their function.

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**CTLA-4 Antibody (A18686) in Flow**

C57Bl/6 splenocytes were stained with APC Anti-Mouse CD4 (A18606) followed by intracellular staining with 0.06 µg PE Anti-Mouse CD152 (A18686) (right panel) or 0.06 µg PE Armenian Hamster isotype control (left panel).

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