

# CTLA-4 Monoclonal Antibody (BNI3), APC

Catalog NumberA27054

Product data sheet

Details		Species Reactivity	
Size	100 Tests	Species reactivity	Human
Host/Isotope	Mouse / IgG2a, kappa	Tested Applications	
Class	Monoclonal	Dilution *	
Type	Antibody	Flow Cytometry (Flow)	0.125 µg/test
Clone	BNI3	* 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.	
Immunogen	Human CD152		
Conjugate	APC		
Form	Liquid		
Storage Conditions	4° C, store in dark		

## Product specific information

Allophycocyanin (APC) is a stable and highly soluble phycobiliprotein that provides maximal absorbance and fluoescence without susceptibility to internal or external fluorescence quenching, thus providing exceptional quantum yields and molar extinction coefficients.

## Background/Target Information

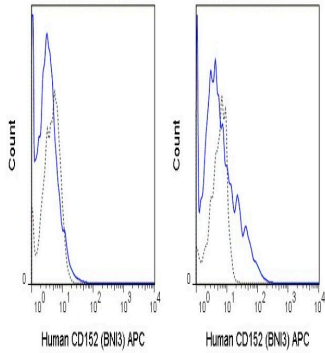
CTLA4 (Cytotoxic T-Lymphocyte Antigen 4) is a CD28-family receptor expressed on mainly CD4+ T cells. It binds the same ligands as CD28 (CD80 and CD86 on B cells and dendritic cells), but with higher affinity than CD28. However, in contrast to CD28 which enhances cell function when bound at the same time as the T cell receptor, CTLA4 inhbits 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 (A27054) in Flow**

Human PBMC were stained with PE Anti-Human CD4 (A18668), FITC Anti-Human CD45RO followed by intracellular staining with 5  $\mu$ L (0.125  $\mu$ g) APC Anti-Human CD152 (A27054) (solid line) or 0.125  $\mu$ g APC Mouse IgG2a isotype control (dashed line).

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