

## CTLA4 antibody [BNI3] (PE)

Cat. No. GTX00492-08

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Applications	FCM
Reactivity	Human, Baboon, Cynomolgus monkey, Rhesus Monkey

References ( 10 )  
Package  
100 test

## PRODUCT

## Summary

The BNI3 antibody is specific for human CD152, commonly known as CTLA-4, a 33-37 kDa protein expressed as a homodimer on the surface of activated T and B cells, and on 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.

## Applications

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
FCM	0.5 µg (5 µl) for 10 <sup>5</sup> -10 <sup>8</sup> cells in 100 µl sample per test

Not tested in other applications.

## Properties

Form	Liquid
Buffer	10mM NaH <sub>2</sub> PO <sub>4</sub> , 150mM NaCl, 0.1% Gelatin
Preservative	0.09% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.
Concentration	0.1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Human CD152-IgG heavy chain fusion protein
Purification	Purified by affinity chromatography From tissue culture supernatant
Conjugation	Phycoerythrin (PE) <a href="#">Wavelength</a>



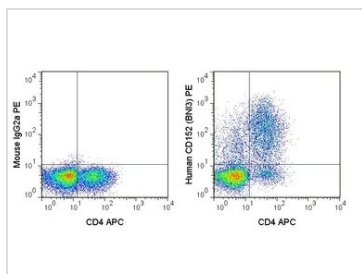
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## Note

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## DATA IMAGES



### GTX00492-08 FCM Image

FACS analysis of human PBMC stimulated overnight with PMA and Ionomycin stained APC anti-human CD4 antibody, followed by intracellular staining with GTX00492-08 CTLA4 antibody [BNI3] (PE).

Right panel : Co-stained with APC anti-human CD4 antibody and GTX00492-08

Left panel : Co-stained with APC anti-human CD4 antibody and PE mouse IgG2a isotype control

Antibody amount : 0.5  $\mu$ g



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