

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 ⁵ -10 ⁸ cells in 100 µl sample per test
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Note : Permeabilization step is needed.

Not tested in other applications.

Properties

Form	Liquid
Buffer	10mM NaH ₂ PO ₄ , 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) Wavelength



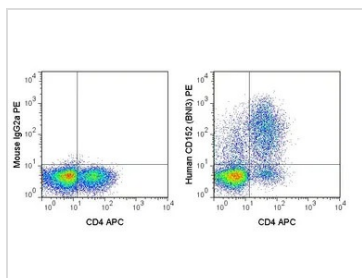
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Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

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 μ g



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