CTLA4 antibody [BNI3] (PE)

Cat. No. GTX00492-08

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Application	FACS
Reactivity	Human, Baboon, Cynomolgus monkey, Rhesus Monkey

Reference (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.

APPLICATION

Application Note

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

Suggested dilution	Recommended dilution
FACS	0.5 µg (5 µl) for 10^5-10^8 cells in 100 µl sample per test

Not tested in other applications.

Calculated MW	25 kDa. (Note)

PROPERTIES

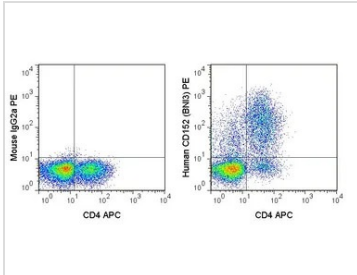|	
Form	Liquid
Buffer	10mM NaH_2PO_4, 150mM NaCl, 0.1% Gelatin
Preservative	0.09% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.
Concentration	0.1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Human CD152-IgG heavy chain fusion protein
Purification	Purified by affinity chromatography From tissue culture supernatant
Conjugation	Phycoerythrin (PE)

For full product information, images and publications, please visit our **website**.

Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. 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 FACS 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 µg

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