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43-1063: Monoclonal Antibody to Human CD152 (CTLA-4) NALE™ Purified (Clone: BNI3)

Clonality :	Monoclonal
Clone Name :	BNI3
Application :	FACS
Reactivity :	Human
Gene :	CTLA4
Gene ID :	1493
Uniprot ID :	P16410
Alternative Name :	Cytotoxic T-lymphocyte-associated antigen 4, CD152
Isotype :	Mouse IgG2a, kappa

Description

The BNI3 monoclonal antibody specifically reacts with human CD152, the Cytotoxic T-Lymphocyte Antigen 4 (CTLA-4). CTLA-4 is expressed on activated CD28+ T cells, and binds the B7 family members B7-1 (CD80) and B7-2 (CD86). The structure of CTLA-4 is similar to the structure of CD28, but the two molecules seem to have opposite roles on the T lymphocytes. CTLA-4 inhibits the progression of T cell activation, while CD28 stimulates it. This result explains the stimulating role that the immobilization of BNI3 plays on the T lymphocytes proliferation induced by CD28.

Product Info

Amount :	100ug / 500 µg
Content :	2.0 mg/ml in Phosphate-buffered aqueous solution, ph7.2.
Storage condition :	The product should be stored undiluted at 4°C. Do not freeze. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

Application Note

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.