

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	BNI3
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	CTLA4
<b>Gene ID :</b>	1493
<b>Uniprot ID :</b>	P16410
<b>Alternative Name :</b>	Cytotoxic T-lymphocyte-associated antigen 4, CD152
<b>Isotype :</b>	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

<b>Amount :</b>	100ug / 500 µg
<b>Content :</b>	2.0 mg/ml in Phosphate-buffered aqueous solution, pH7.2.
<b>Storage condition :</b>	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.