

### 43-1064: Monoclonal Antibody to Mouse CD152 (CTLA-4) NALE™ Purified (Clone: UC10-4F10-11)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	UC10-4F10-11
<b>Application :</b>	FACS
<b>Reactivity :</b>	Mouse
<b>Gene :</b>	Ctla4
<b>Gene ID :</b>	12477
<b>Uniprot ID :</b>	P09793
<b>Alternative Name :</b>	Cytotoxic T-lymphocyte-associated antigen 4, cd152
<b>Isotype :</b>	Armenian Hamster IgG1, kappa

#### Description

The UC10-4F10-11 monoclonal antibody specifically reacts with the mouse Cytotoxic T-Lymphocyte Antigen-4 (CTLA-4), also known as CD152. It is a protein with a structure similar to CD28 regarding the genomic organization, amino acid sequence, and structure. CTLA-4 is expressed on activated T cells and CD25+/CD4+ Treg lymphocytes and binds the members of the B7 family, B7-1 (CD80) and B7-2 (CD86), with higher affinity than CD28. CD28 seems to provide opposing signal to T lymphocytes, while CD152 inhibits the T lymphocytes progression to an activated state and their proliferation, CD28 is a costimulator. The mouse UC10 -4F10-11 monoclonal antibody does not cross-react with the rat leukocytes.

#### Product Info

<b>Amount :</b>	100 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 monoclonal antibody was purified utilizing affinity chromatography. 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.