

### 43-1106: Monoclonal Antibody to Mouse CD28 NALE™ Purified (Clone: 37.51)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	37.51
<b>Application :</b>	FACS
<b>Reactivity :</b>	Mouse
<b>Gene :</b>	Cd28
<b>Gene ID :</b>	12487
<b>Uniprot ID :</b>	P31041
<b>Alternative Name :</b>	T-cell-specific surface glycoprotein CD28
<b>Isotype :</b>	Golden Syrian Hamster IgG

#### Description

The 37.51 monoclonal antibody specifically reacts with mouse CD28 molecule, a 45 kDa homodimer. It is expressed on most thymocytes, at low density on most of the CD4+ and CD8+ peripheral T lymphocytes and on the natural killer cells. It is additionally found on activated splenocytes, mast cells, and thymocytes. CD28 is a costimulator of T lymphocytes and a ligand for CD80 (B7-1), and CD86 (B7-2). The CD28 signaling stimulates the expression of IL-2 and IL-2 receptor and the cytotoxicity of CD3-activated T lymphocytes. The 37.51 antibody stimulates the proliferation of T lymphocytes and natural killer cells and their respective cytokine production.

#### Product Info

<b>Amount :</b>	500 µg
<b>Content :</b>	2 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.