

### 43-1041: Monoclonal Antibody to Mouse CD86 (B7-2) NALE™ Purified (Clone: GL-1 (GL1))

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	GL-1 (GL1)
<b>Application :</b>	FACS
<b>Reactivity :</b>	Mouse
<b>Gene :</b>	Cd86
<b>Gene ID :</b>	12524
<b>Uniprot ID :</b>	P42082
<b>Alternative Name :</b>	Activation B7-2 antigen, Early T-cell costimulatory molecule 1
<b>Isotype :</b>	Rat IgG2a, kappa

#### Description

The GL-1 monoclonal antibody reacts specifically with the mouse B7-2 (also known as CD86), a costimulatory molecule expressed by B and T lymphocytes, macrophages (thioglycollate-induced from peritoneum), astrocytes and dendritic cells. The memory CD4+ T lymphocytes express CD86 (as mRNA and protein). CD86, and the B7-1 (CD 80) molecule, are ligands for CD152 and CD28, and influence the costimulatory interactions between lymphocytes B and T. B7-2 is also involved in the mouse natural killer cell-mediated cytotoxicity. The GL-1 antibody blocks the mixed lymphocyte reaction (MLR) and inhibits the T-cells stimulation by antigen-presenting cells. Mixtures of anti-B7-1 antibody and GL-1 were reported to inhibit the interaction between CD125 and its ligand with the in vivo priming of cytotoxic T lymphocytes.

#### 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.