

### 30-2753: Anti-Ms CD86 APC

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	GL-1
<b>Application :</b>	FACS
<b>Reactivity :</b>	Mouse
<b>Conjugate :</b>	APC
<b>Gene :</b>	CD86
<b>Gene ID :</b>	12524
<b>Uniprot ID :</b>	P42082
<b>Alternative Name :</b>	CD86 molecule B7-2, FUN-1, Ly58
<b>Immunogen Information :</b>	LPS-activated CBA/Cs mouse splenic B cells

#### Description

CD80 (B7-1) and CD86 (B7-2) are ligands of T cell critical costimulatory molecule CD28 and of an inhibitory receptor CTLA-4 (CD152). The both B7 molecules are expressed on professional antigen-presenting cells and are essential for T cell activation, the both molecules can also substitute for each other in this process. The question what are the differences in CD80 and CD86 competency has not been fully elucidated yet; there are still conflicts in results about their respective roles in initiation or sustaining of the T cell immune response.

**Specificity :** The rat monoclonal antibody GL-1 reacts with an extracellular epitope of CD86 (B7-2), a 70-80 kDa type I transmembrane glycoprotein of immunoglobulin supergene family, expressed on professional antigen-presenting cells, such as dendritic cells, macrophages or activated B lymphocytes.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
<b>Content :</b>	Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

#### Application Note

Flow cytometry: Recommended dilution: 1-4  $\mu\text{g/ml}$ ; positive control: murine splenocytes.