

**Antibody Data**

<b>Product SKU:</b>	<b>AGEL0039</b>	<b>Clone:</b>	<b>GL-1</b>
<b>Applications:</b>	<b>FCM</b>		
<b>Reactivity:</b>	<b>Mouse</b>		

**Important Note:**

Centrifuge before opening to ensure complete recovery of vial contents.

**Product Information:**

<b>Alternate Names:</b>	T-lymphocyte activation antigen CD86;Cd86;Activation B7-2 antigen;Early T-cell costimulatory molecule 1;ETC-1;
<b>Uniprot ID:</b>	P42082
<b>Background:</b>	CD86 is an 80 kD immunoglobulin superfamily member also known as B7-2, B70, and Ly-58. CD86 is expressed on activated B and T cells, macrophages, dendritic cells, and astrocytes. CD86, along with CD80, is a ligand of CD28 and CD152 (CTLA-4). CD86 is expressed earlier in the immune response than CD80. CD86 has also been shown to be involved in immunoglobulin class-switching and triggering of NK cell-mediated cytotoxicity. CD86 binds to CD28 to transduce co-stimulatory signals for T cell activation, proliferation, and cytokine production. CD86 can also bind to CD152, also known as CTLA-4, to deliver an inhibitory signal to T cells.
<b>Form:</b>	Liquid
<b>Conjugation:</b>	Unconjugated
<b>Size:</b>	25&micro;g, 100&micro;g
<b>Host Species:</b>	Rat
<b>Isotype:</b>	Rat IgG2a, $\kappa$
<b>Isotype Control:</b>	Purified Rat IgG2a, $\kappa$ Isotype Control[2A3] [Product AGEL0039]
<b>Storage Buffer:</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.
<b>Shipping:</b>	Biological ice pack at 4°C

**Stability & Storage:** Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. Centrifuge before opening to ensure complete recovery of vial contents. This product is guaranteed up to one year from purchase.

**Recommended Usage:** Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 1.0 \mu\text{g}$  per  $10^6$  cells in 100  $\mu\text{L}$  volume or 100  $\mu\text{L}$  of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

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