



## CD83 Antibody [Michel17] (PE)

CATALOG NUMBER: 76-317

### Specifications

<b>SPECIES REACTIVITY:</b>	Mouse
<b>TESTED APPLICATIONS:</b>	FACS
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.
<b>SPECIFICITY:</b>	The Michel-17 monoclonal antibody specifically reacts with mouse CD83, a 45kDA type I transmembrane glycoprotein.
<b>HOST SPECIES:</b>	Rat

### Properties

<b>PURIFICATION:</b>	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
<b>PHYSICAL STATE:</b>	liquid
<b>BUFFER:</b>	Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.
<b>CONCENTRATION:</b>	0.2 mg/mL
<b>STORAGE CONDITIONS:</b>	The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	Rat IgG1
<b>CONJUGATE:</b>	PE

### Additional Info

<b>ALTERNATE NAMES:</b>	Cd83, Cd83
<b>OFFICIAL SYMBOL:</b>	Cd83
<b>GENE ID:</b>	12522

### Background

<b>BACKGROUND:</b>	The Michel-17 monoclonal antibody specifically reacts with mouse CD83, a 45kDA type I transmembrane glycoprotein. CD83 is expressed mainly on activated lymphocytes and mature dendritic cells and it plays a role in T cell development. The Michel-17 antibody does not induce an activation signal on dendritic or T cells.
<b>REFERENCES:</b>	<p>1) Cramer, S. O., Trumpfheller, C., Mehlhoop, U., Mor, S., Fleischer, B., von Bonin, A. (2000). Activation-induced expression of murine CD83 on T cells and identification of a specific CD83 ligand on murine B cells. <i>International immunology</i>, 12(9), 1347-1351.</p> <p>2) Wolenski, M., Cramer, S. O., Ehrlich, S., Steeg, C., Fleischer, B., Von Bonin, A. (2003). Enhanced Activation of CD83 Positive T Cells*. <i>Scandinavian journal of immunology</i>, 58(3), 306-311.</p> <p>3) Breloer, M., Fleischer, B. (2008). CD83 regulates lymphocyte maturation, activation and homeostasis. <i>Trends in immunology</i>, 29(4), 186-194.</p>

**FOR RESEARCH USE ONLY**

