

## Antibody Data

<b>Product SKU:</b>	<b>AGEL0378</b>	<b>Clone:</b>	<b>53-6.7</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-cell surface glycoprotein CD8 alpha chain;CD8A;T-lymphocyte differentiation antigen T8/Leu-2;MAL;
<b>Uniprot ID:</b>	P01731
<b>Background:</b>	CD8, also known as Lyt-2, Ly-2, or T8, consists of disulfide-linked $\alpha$ and $\beta$ chains that form the $\alpha$ (CD8a)/ $\beta$ (CD8b) heterodimer and $\alpha/\alpha$ homodimer. CD8a is a 34 kD protein that belongs to the immunoglobulin family. The CD8 $\alpha/\beta$ heterodimer is expressed on the surface of most thymocytes and a subset of mature TCR $\alpha/\beta$ T cells. CD8 expression on mature T cells is non-overlapping with CD4. The CD8 $\alpha/\alpha$ homodimer is expressed on a subset of $\gamma/\delta$ TCR-bearing T cells, NK cells, intestinal intraepithelial lymphocytes, and lymphoid dendritic cells. CD8 is an antigen co-receptor on T cells that interacts with MHC class I on antigen-presenting cells or epithelial cells. CD8 promotes T cell activation through its association with the TCR complex and protein tyrosine kinase lck.
<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 AGEL0378]
<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  $\leq 2.0 \mu\text{g}$  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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