



## Product Datasheet

### Purified Anti-Mouse CD90 Antibody [M5/49.4.1]

Catalogue Code: AGEL3161

#### Antibody Data

<b>Product SKU:</b>	<b>AGEL3161</b>	<b>Clone:</b>	<b>M5/49.4.1</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>	Thy1;Thy-1;
<b>Uniprot ID:</b>	P01831
<b>Background:</b>	The M5/49.4.1 monoclonal antibody reacts with mouse Thy1 also known as CD90. Thy1 is a 25-35 kDa GPI-anchored protein belonging to the Ig superfamily that is expressed by thymocytes, peripheral T cells, myoblasts, epidermal cells, and keratinocytes. The function of Thy1 has not been fully elucidated but is thought to play roles in regulation of cell adhesion, apoptosis, metastasis, inflammation, and fibrosis. This antibody is particularly useful for depletion of T lymphocytes.
<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 AGEL3161]
<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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