

## Rat monoclonal anti mouse CD3 (Azide-free & Low endotoxin)

### ORDERING INFORMATION

<b>Catalog Number:</b>	<b>gAP-0001</b>
<b>Size:</b>	<b>1.00 mg</b>
<b>Storage:</b>	<b>&lt; -20° C</b>
<b>Immunogen:</b>	<b>Mouse CD3<sup>+</sup> Cells</b>
<b>Ig Type:</b>	<b>Rat IgG2b</b>
<b>Clone</b>	<b>AP-MAB0808</b>
<b>Endotoxin Level</b>	<b>&lt; 0.002EU/μg IgG *</b>
<b>Applications:</b>	<b>T cell activation and Depletion</b>

**Description:** CD3 is a member of the Ig superfamily and primarily expressed on T cells, NK-T cells, and at different levels on thymocytes during T cell differentiation. CD3 is composed of CD3ε, δ, γ and ζ chains. It forms a TCR complex by associating with TCR α/β or γ/δ chains. CD3 plays a critical role in TCR signal transduction, T cell activation, and antigen recognition by binding the peptide/MHC antigen complex. AP-MAB0808 antibody recognizes ε/γ of CD3 complex.

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a Rat immunized with mouse CD3<sup>+</sup> cells).

**Formulation:** The IgG fraction of **culture supernatant** was purified by Protein A/G affinity chromatography and lyophilized from a 0.2 μm filtered solution in phosphate-buffered saline (PBS, **Azide Free**).

**Reconstitution:** Reconstitute the antibody with sterile PBS and the reconstituted antibody can be aliquoted and stored frozen at < -20 for at least for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C.

**Specificity:** The antibody was selected for its ability to detect CD3<sup>+</sup> cells by FC.

**\*Endotoxin Level:** Extremely low level of LPS (< 0.002EU/μg IgG)

### Application(s):

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|----|--|-----|
| 1. | T cell activation in vivo and in vitro | Yes |
| 2. | Depletion of CD3+ cells in vivo        | Yes |

\* The antibody is produced by in vitro culture and for research use only