



11 Park Drive, Suite 12
Boston, MA 02215

Rat monoclonal anti mouse CD3

(Azide-free & Low endotoxin)

ORDERING INFORMATION

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

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⁺ 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⁺ 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.**

Contact & Ordering Information: Angio-Proteomie, 11 Park Drive, Suite 12, Boston, MA 02215, USA. Tel: 617-549-2665; Fax: (480) 247-4337, angioproteomie@gmail.com