

Hamster monoclonal anti mouse CD3 ϵ

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0002
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Mouse CD3⁺ Cells
Ig Type:	Hamster IgG1
Clone	AP-MAB0809
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	T-Cell Activation and CD3⁺ Cell Depletion

Description: CD3 ϵ 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 CD3 ϵ , δ , γ and ζ chains. CD3 ϵ forms a TCR complex by associating with the CD3 δ , γ and ζ chains, as well as the 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.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a Hamster 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 μ m 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 mouse CD3 ϵ ⁺ cells by FC.

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

Application(s):

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| 1. | In vitro and in vivo T cell activation | Yes |
| 2. | Depleting CD3 ⁺ cells in vivo | Yes |
| 3. | Blocking 17A2 antibody to CD3 epsilon-specific of T cells | Yes |

* The antibody is produced by in vitro culture and for Research Use Only