11 Park Drive, Suite 12
Boston, MA 02215

Hamster monoclonal anti mouse CD3ε

(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: CD3ε 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. CD3ε forms a TCR complex by associating with the CD3δ, 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 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 mouse CD3ε $^+$ cells by FC.

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

Application(s):

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.**

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