



11 Park Drive, Suite 12
Boston, MA 02215

Rat monoclonal anti mouse CD8a

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0004
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Mouse CD8⁺ Cells
Ig Type:	Rat IgG2a
Clone	AP-MAB0811
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	Blocking of Cytotoxicity, Cell depletion and Depletion of CD8a⁺ cells

Description: CD8 consists of disulfide-linked α and β chains that form the α (CD8a)/ β (CD8b) heterodimer and α/α homodimer. CD8a is a 34kD protein that belongs to the immunoglobulin family. The CD8 α/β heterodimer is expressed on the surface of most thymocytes and a subset of mature TCR α/β T cells. CD8 expression on mature T cells is non-overlapping with CD4. The CD8 α/α homodimer is expressed on a subset of γ/δ TCR-bearing T cells, NK cells, intestinal intraepithelial lymphocytes, and lymphoid dendritic cells. CD8 is an antigen co-receptor on T cells that interacts with MHC class I on antigen-presenting cells or epithelial cells. CD8 promotes T cell activation through its association with the TCR complex and protein tyrosine kinase lck.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a Rat immunized with mouse CD8a⁺ 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 CD8a⁺ cells by FC.

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

Application(s):

1.	In vivo and in vitro cell depletion	Yes
2.	Inhibition of CD8 T cell proliferation	Yes
3.	Blocking of cytotoxicity	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