

Mouse monoclonal anti human CD8a **(Azide-free & Low endotoxin)**

ORDERING INFORMATION

Catalog Number:	gAP-0231
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Recombinant human CD8a
Ig Type:	Mouse IgG2a
Clone	AP-MAB1631
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC, IHC, and Functional assays

Description: Human CD8a molecule is an approximately 32-34 kDa cell surface receptor expressed either as a heterodimer with the CD8 β chain (CD8 αβ) or as a homodimer (CD8 αα). A majority of thymocytes and a subpopulation of mature T cells and NK cells express CD8a. CD8 binds to MHC class I and through its association with protein tyrosine kinase p56lck plays a role in T-cell development and activation of mature T cells.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with **Recombinant human CD8a**).

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.

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

Application(s):

- 1. FC**
- 2. IHC (frozen) and ICC**
- 3. In vivo CD8+ T cell depletion**

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