

Mouse monoclonal anti human CD1a

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0230
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Recombinant human CD1a
Ig Type:	Mouse IgG1
Clone	AP-MAB1630
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC, IHC, and Functional assays

Description: CD1a is a 49 kD member of the immunoglobulin superfamily also known as T6 and R4. It is a type I membrane glycoprotein with structural similarities to MHC class I and is non-covalently associated with β2-microglobulin. CD1a plays a role in non-peptide glycolipid antigen presentation to CD1-restricted T cells. It is expressed on cortical double positive and single positive thymocytes, Langerhans cells, and dendritic cells. In addition to antigen presentation, CD1a has been implicated in thymic T cell development.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with **Recombinant human CD1a**).

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 vitro CD1a blockade**

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