

Rat anti mouse CD103 (Integrin α IEL chain)

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0021
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Mouse mammary tumor cells
Ig Type:	Rat IgG2
Clone	AP-MAB0828
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC, IP, IHC (Frozen) & Blocking

Description:

CD103 has a unique and fairly restricted tissue distribution. It is expressed on almost all intestinal intraepithelial lymphocytes (IEL), on dendritic epidermal T cells (DEC), on subpopulations of peripheral T cells, and on distinct subsets of fetal, neonatal, and adult thymocytes. E-cadherin is the epithelial-cell ligand for CD103. The ordered expression of α IEL during thymocyte development (which occurs under the influence of the thymic epithelium), the high level of expression of α IEL on those peripheral T cells found in epithelial tissues (IEL and DEC), and the expression of CD103 on a subset of CD8+ lymphocytes responding to allogeneic epithelial cells suggest that CD103 may have a common role in the interactions of T lymphocytes with epithelia during T-cell maturation and effector functions.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with **mouse mammary tumor 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.

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

Application(s):

- 1. FC and IP**
- 2. IHC (Frozen)**
- 3. Inhibition of CD103 mediated adhesion**

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