

CD8 α (ANT0017R) Rabbit mAb

CatalogNo: ANT8067 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species

- Rabbit
- Human,Mouse,Rat,

Reactivity

- WB,IHC,IF,IP,ELISA

Applications

MW

- 26kD (Calculated)
- IgG,Kappa
- 35kD (Observed)

Isotype

Recommended Dilution Ratios

IHC 1:200-1000

WB 1:1000-5000

IF 1:200-1000

ELISA 1:5000-20000

IP 1:50-200

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Basic Information

Clonality Monoclonal

Clone Number ANT0017R

Target Information

Endogenous

Gene name CD8A MAL

Protein Name CD8 a

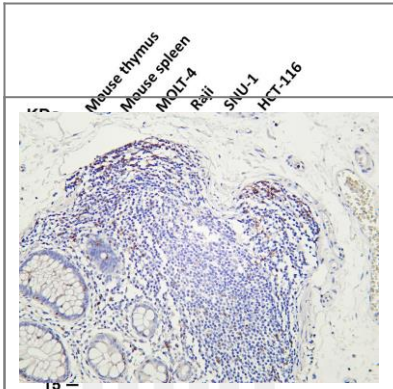
	Organism	Gene ID	UniProt ID
	Human	925;	P01732;

Cellular Localization Membranous

Tissue specificity CD8 on thymus-derived T-cells usually consists of a disulfide-linked alpha/CD8A and a beta/CD8B chain. Less frequently, CD8 can be expressed as a CD8A homodimer. A subset of natural killer cells, memory T-cells, intraepithelial lymphocytes, monocytes and dendritic cells expresses CD8A homodimers. Expressed at the cell surface of plasmacytoid dendritic cells upon herpes simplex virus-1 stimulation.

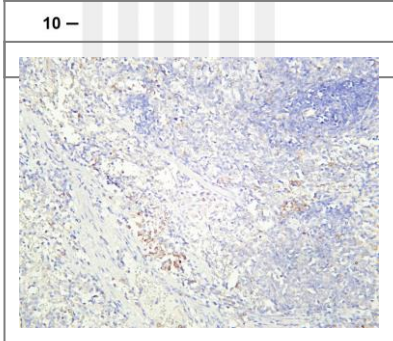
Function Disease:Defects in CD8A are a cause of familial CD8 deficiency (CD8 deficiency) [MIM:608957]. Familial CD8 deficiency is a novel autosomal recessive immunologic defect characterized by absence of CD8+ cells, leading to recurrent bacterial infections.,Function:Identifies cytotoxic/suppressor T-cells that interact with MHC class I bearing targets. CD8 is thought to play a role in the process of T-cell mediated killing. CD8 alpha chains binds to class I MHC molecules alpha-3 domains.,online information:CD8 entry,online information:CD8A mutation db,ANTM:All of the five most carboxyl-terminal cysteines form inter-chain disulfide bonds in dimers and higher multimers, while the four Nterminal cysteines do not.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,subunit:In general heterodimer of an alpha and a beta chain linked by two disulfide bonds. Can also form homodimers. Shown to be expressed as heterdimer on thymocytes and as homodimer on peripheral blood T-lymphocytes. Interacts with the MHC class I HLA-A/B2M dimer. Interacts with LCK in a zinc-dependent manner.,

Validation Data

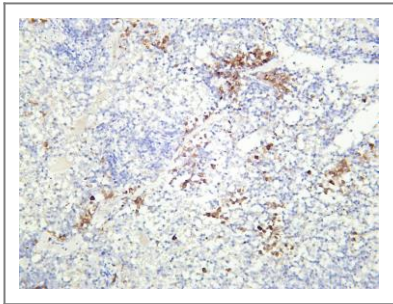


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD8 α (ANT0017R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Mouse thymus Lane 2: Mouse spleen Lane 3: MOLT-4 Lane 4: Raji Lane 5: SNU-1 Lane 6: HCT-116 Predicted band size: 26kDa Observed band size: 35kDa

Human colon was stained with Anti-CD8 α (ANT0017R) rabbit antibody



Rat spleen was stained with Anti-CD8 α (ANT0017R) rabbit antibody



Mouse spleen was stained with Anti-CD8 α (ANT0017R) rabbit antibody