CD8 a (PTF0028) Mouse mAb

CatalogNo: YF0009 Recombinant

Key Features

Host Species
- Mouse

Reactivity
- Human

Applications
- FC

Isotype
- Purified Mouse IgG1/Kappa

Recommended Dilution Ratios

FC:1 µg per million cells in 100 µl volume. For optimal results, the reagent should be titrated according to each specific application

Storage

Storage*	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
Formulation	PBS, pH 7.4

Basic Information

Clonality	Monoclonal
Clone Number	PTF0028

Immunogen Information

Specificity	Endogenous

Target Information

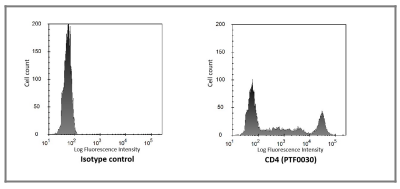
Gene name	CD8A MAL

Protein Name	T-cell surface glycoprotein CD8 alpha chain (T-lymphocyte differentiation antigen T8/Leu-2) (CD antigen CD8a)

Organism	Gene ID	UniProt ID
Human	925;	P01732;

Cellular Localization	[Isoform 1]: Cell membrane ; Single-pass type I membrane protein. CD8A localizes to lipid rafts only when associated with its partner CD8B. .; [Isoform 2]: Secreted .
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.,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,PTM:All of the five most carboxyl-terminal cysteines form inter-chain disulfide bonds in dimers and higher multimers, while the four N-terminal 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



Human peripheral blood lymphocytes stained with Mouse IgG1 isotype control or purified CD8 (PTF0028) , followed by anti-mouse IgGs-PE

Contact information

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Telephone:	400-8787-807(China)
Website:	http://www.immunoway.com.cn
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Please scan the QR code to access additional product information:
CD8 a (PTF0028) Mouse mAb