

A Reliable Research Partner in Life Science and Medicine

Recombinant CD8 beta Monoclonal Antibody

catalog number: AN301982L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Mouse

Immunogen Peptide. This information is proprietary to PTMab.

 Host
 Rabbit

 Isotype
 IgG, κ

 Clone
 A702

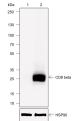
Purification Protein A purified

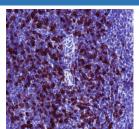
Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

WB 1:1000 **IHC** 1:100

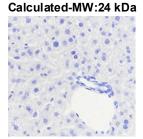
Data





Western Blot with CD8 beta Monoclonal Antibody at dilution Immunohistochemistry of paraffin-embedded Mouse spleen of 1:1000. Lane 1: Mouse lymph (Low expression), Lane 2: using CD8 beta Monoclonal Antibody at dilution of 1:100.

Mouse thymus Observed-MW:28-32 kDa



Immunohistochemistry of paraffin-embedded Mouse liver (negative tissue) using CD8 beta Monoclonal Antibody at dilution of 1:100.

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping lce bag

Background

For Research Use Only

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Cluster of Differentiation 8 (CD8) is a disulphide-linked heterodimer consisting of the unrelated α and β subunits. Each subunit is a glycoprotein composed of a single extracellular lg-like domain, a polypeptide linker, a transmembrane part and a short cytoplasmic tail. On T cells, CD8 is the coreceptor for the T cell receptor (TCR), and these two distinct structures recognize the Antigen–Major Histocompatibility Complex (MHC). Specifically, the lg-like domain of CD8 α interacts with the α 3-domain of the MHC class I molecule. CD8 ensures specificity of the TCR–antigen interaction, prolongs the contact between the T cell and the antigen presenting cell, and the α chain recruits the tyrosine kinase Lck, which is essential for T cell activation.

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 Rev. V1.1