

Mouse CD8α Antibody

Monoclonal Rat IgG Clone # 1104518 Catalog Number: MAB11723

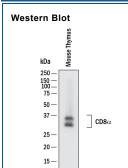
DESCRIPTION		
Species Reactivity	Mouse	
Specificity	Detects recombinant mouse CD8alpha protein in Direct ELISA.	
Source	Monoclonal Rat IgG Clone # 1104518	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	Mouse myeloma cell line, NS0-derived mouse CD8 Lys28-Tyr196 Accession # P01731	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

·	Recommended Concentration	Sample
Western Blot	2 μg/mL	Mouse thymus tissue

Data



Detection of Mouse CD8α by Western Blot, Western Blot shows Ivsates of mouse thymus tissue. PVDF membrane was probed with 2 µg/ml of Rat Anti-Mouse CD8α Monoclonal Antibody (Catalog # MAB11723) followed by HRP-conjugated Anti-Rat IgG Secondary Antibody (Catalog # HAF005). Specific bands were detected for CD8α at approximately 30 and 35 kDa (as indicated). This experiment was conducted under reducing conditions and using Western Blot Buffer Group 1.

PREPARATION AND STORAGE

 Reconstitution
 Reconstitute lyophilized material at 0.2 mg/ml in sterile PBS. For liquid material, refer to CoA for concentration.

 Shipping
 Lyophilized product is shipped at ambient temperature. Liquid small pack size (-SP) is shipped with polar packs. Upon receipt, store immediately at the temperature recommended below.

Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

CD8, also known as Ly-2, is a heterodimeric glycoprotein consisting of an α and β chain. It is expressed on cytolytic T cells and functions in conjunction with the T cell receptor in the recognition of MHC/peptide complexes. Mouse CD8 (containing an α /Ly-2 or α /Lyt-2 chain) is an antigen co-receptor on the T cell surface which interacts with MHC I molecules on antigen presenting cells (1). CD8 α β heterodimer is expressed on a subpopulation of mature T cells (2, 3). CD8 α β , without CD8 β β β β 0 has been detected on subsets of γ 0 TCR-bearing T cells (4), intestinal intrathymic lymphocytes (5, 6) and dendritic cells (7, 8).

References:

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- 7. Vermec, D. et al. (1992) J. Exp. Med. 176:47.
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