

DESCRIPTION

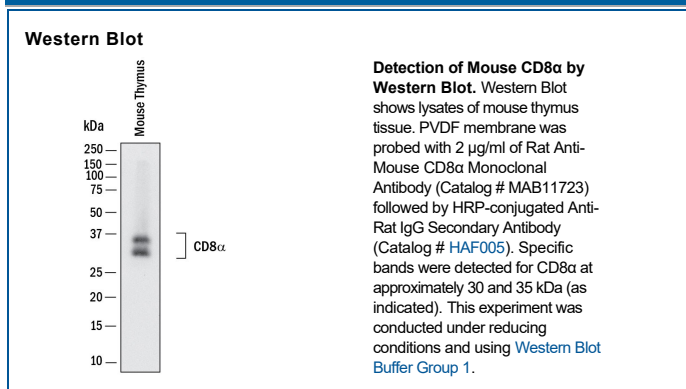
Species Reactivity	Mouse
Specificity	Detects recombinant mouse CD8alpha protein in Direct ELISA.
Source	Monoclonal Rat IgG Clone # 1104518
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line, NS0-derived mouse CD8 Lys28-Tyr196 Accession # P01731
Formulation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



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). CD8αβ heterodimer is expressed on a subpopulation of mature T cells (2, 3). CD8α, without CD8β, has been detected on subsets of γδ TCR-bearing T cells (4), intestinal intrathymic lymphocytes (5, 6) and dendritic cells (7, 8).

References:

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6. Wang, J. and J.R. Klein (1994) Science **265**:1860.
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