Active Recombinant Cynomolgus CD8A & CD8B Heterodimer protein, His-Flag-tagged, Low Endotoxin

Cat. No. CD8A & CD8B-1265C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus CD8A & CD8B Heterodimer protein(XP_065382910.1(CD8 alpha) & XP_005575417.1(CD8 beta))(22-182 aa(CD8A) & 22-170 aa(CD8B)), fused with C-terminal His tag and Flag tag, was expressed in HEK293.
Species	Cynomolgus
Source	HEK293
ProteinLength	22-182 aa(CD8A) & 22-170 aa(CD8B)
Form	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Cynomolgus CD8 alpha&beta, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Anti-CD8 alpha&beta Antibody, hFc Tag with the EC50 of 2.0ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 23.62 kDa (CD8 alpha) and 22.42 kDa (CD8 beta). Due to glycosylation, the protein migrates to 32-38 kDa and 40-48 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.

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Purity	> 95% as determined by Bis-Tris PAGE; > 90% as determined by HPLC
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	Dissolve the lyophilized protein in distilled water.

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