Active Recombinant Human CD8A&CD8B protein, His-tagged, FITC-Labeled

Cat. No. CD8A&CD8B-3012H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FITC-Labeled Recombinant Human CD8A&CD8B protein(Ser 22-Asp 182 (CD8A) & Leu 22-Pro 170 (CD8B)), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Ser 22-Asp 182 (CD8A) & Leu 22-Pro 170 (CD8B)
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Anti-CD8 alpha Antibody, Mouse IgG2a (clone: OKT8) at 1 μg/mL (100 μL/well) can bind FITC-Labeled Human CD8A&CD8B Heterodimer Protein, His Tag&Tag Free with a linear range of 0.625-2.5 μg/mL.
Molecular Mass	FITC-Labeled Human CD8A&CD8B Heterodimer Protein, His Tag&Tag Free, produced by co-expression of CD8 alpha and CD8 beta, has a calculated MW of 19.5 kDa (CD8 alpha) and 22.1 kDa (CD8 beta). Subunit CD8 alpha is fused with a polyhistidine tag at the C-terminus and subunit CD8 beta contains no tag. As a result of glycosylation, the heterodimer protein migrates as 30-32 kDa and 32-34 kDa under reducing (R) condition, and 30-33 kDa and 60-65 kDa under non-reducing (NR) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	μg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at-20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after storage at:-20°C to-70°C for 12 months in lyophilized state;-70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	FITC

GENE INFORMATION

Gene Name	CD8A CD8a molecule [Homo sapiens]
Official Symbol	CD8A
Synonyms	CD8A; CD8a molecule; CD8, CD8 antigen, alpha polypeptide (p32) , T cell surface glycoprotein CD8 alpha chain; T-cell surface glycoprotein CD8 alpha chain; T8 T-cell antigen; T cell co-receptor; OKT8 T-cell antigen; T-cell antigen Leu2; Leu2 T-lymphocyte antigen; CD8 antigen, alpha polypeptide (p32); T-lymphocyte differentiation antigen T8/Leu-2; CD8; MAL; p32; Leu2;
Gene ID	925
mRNA Refseq	NM_001145873
Protein Refseq	NP_001139345

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MIM	186910
UniProt ID	P01732

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