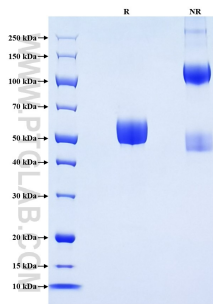


Recombinant Mouse CD8A protein (rFc Tag)

Catalog Number: Eg3265

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Mouse CD8A protein Lys28-Tyr196 (Accession# P01731-1) with a rabbit IgG Fc tag at the C-terminus.</p> <p>GeneID: 12525</p> <p>Accession: P01731-1</p> <p>Predicted Molecular Mass: 45.2 kDa</p> <p>SDS-PAGE: 48-65 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>CD8 is a transmembrane glycoprotein that is predominantly expressed on the surface of cytotoxic T cells, and can also be found on natural killer cells, cortical thymocytes, and dendritic cells. CD8 is composed of two disulfide-linked chains and can be present as a homodimer of CD8α or as a heterodimer of CD8α and CD8β. The majority of class I-restricted T cells express mostly the CD8$\alpha\beta$ heterodimer while CD8$\alpha\alpha$ homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR) $\gamma\delta$ T cells and on NK cells. CD8 acts as a co-receptor that binds to MHC class-I and participates in cytotoxic T cell activation. During T cell development, CD8 is required for positive selection of CD4$^{-}$/CD8$^{+}$ T cells.</p>		
References	<ol style="list-style-type: none"> 1. L Shiue, et al. (1988) J Exp Med. 168(6):1993-2005. 2. S Hennecke, et al. (1993) J Biol Chem. 268(35):26607-12. 3. L A Terry, et al. (1990) Tissue Antigens. 35(2):82-91. 4. U Moebius, et al. (1991) Eur J Immunol. 21(8):1793-800. 5. J P Boursier, et al. (1993) J Biol Chem. 268(3):2013-20. 6. A M O'Rourke, et al. (1993) Immunol Today. 14(4):183-8. 7. J C Zúñiga-Pflücker, et al. (1990) J Exp Med. 171(2):427-37. 		
Synonyms	CD8, CD8 antigen, alpha chain, CD8 α , Ly 2, Ly 35		

Selected Validation Data



Purity of Recombinant Mouse CD8A was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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