

Product Information

MemDX™ Membrane Protein Human CD8A (CD8a molecule) for Antibody Discovery

Cat. No.: **MP1249J**

This product is for research use only and is not intended for diagnostic use.

This product is a 19.4 kDa Human CD8A membrane protein expressed in E. coli. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

CD8A

Protein Length

Full-length

Protein Class

Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane

Molecular Weight

19.4 kDa

TMD

1

Product Description

Expression Systems

E. coli

Tag

N-His

Form

Liquid

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

CD8A

Full Name

CD8a molecule

Introduction

The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class I MHC molecules. The coreceptor functions as either a homodimer composed of two alpha chains or as a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 alpha chain. Multiple transcript variants encoding different isoforms have been found for this gene. The major protein isoforms of this gene differ by the presence or absence of a transmembrane domain and thus differ in being a membrane-anchored or secreted protein.

Alternative Names

CD8; p32; Leu2; CD8 antigen, alpha polypeptide (p32); Leu2 T-lymphocyte antigen; OKT8 T-cell antigen; T cell co-receptor; T-cell antigen Leu2; T-lymphocyte differentiation antigen T8/Leu-2; T8 T-cell antigen

Gene ID

[925](#)

UniProt ID

[P01732](#)