

Product Information

MemDX™ Membrane Protein Human CD74 (CD74 molecule) Full Length

Cat. No.: **MPC3116K**

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

This product is a made-to-order Human CD74 membrane protein expressed in HEK293. 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

CD74

Protein Length

Full length

Protein Class

Immunity

TMD

1

Sequence

MHRRRSRSCREDQKPVMDQDRLISNNEQLPMLGRRPGAPESKCSRGALY
TGFSILVTLLLAGQATTAYFLYQQQGRLDKLTVTSQNLQLENLRMKLPKP
PKPVSKMRMATPLLQALPMGALPQGPMQNATKYGNMTEDHVMHLLQNAD
PLKVYPPLKGSFPENLRHLKNTMETIDWKVFESWMHHWLLFEMSRHSLEQ
KPTDAPPKVLTKCQEEVSHIPAVHPGSFRPKCDENGNYLPLQCYGSIGYC
WCVFPNGTEVPNTRSRGHHNCSESLELEDPSGLGVTKQDLGPVPM

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

CD74

Full Name

CD74 molecule

Introduction

The protein encoded by this gene associates with class II major histocompatibility complex (MHC) and is an important chaperone that regulates antigen presentation for immune response. It also serves as cell surface receptor for the cytokine macrophage migration inhibitory factor (MIF) which, when bound to the encoded protein, initiates survival pathways and cell proliferation. This protein also interacts with amyloid precursor protein (APP) and suppresses the production of amyloid beta (Abeta). Multiple alternatively spliced transcript variants encoding different isoforms have been identified.

Alternative Names

CD74; II; p33; DHLAG; HLADG; Ia-GAMMA; HLA class II histocompatibility antigen gamma chain; CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated); CD74 molecule, major histocompatibility complex, class II invariant chain; HLA-DR antigens-associated invariant chain; HLA-DR-gamma; a-associated invariant chain; MHC HLA-DR gamma chain; gamma chain of class II antigens; CD74 molecule

Gene ID

[972](#)

UniProt ID

[P04233](#)