

Product Information

MemDX™ Membrane Protein Human CD74 (CD74 molecule) Expressed *in vitro* E.coli expression system, Full Length

Cat. No.: **MPX3810K**

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

This product is a Human CD74 membrane protein expressed *in vitro* E.coli expression system. 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

MHRRRSRSCREDQKPVMDQQRDLISNNEQLPMLGRRPGAPESKCSRGLYTGFSILVTLLLAGQATTAYFLYQQQGRLDKLTVTS

Product Description

Expression Systems

in vitro E.coli expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°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; Ia-associated invariant chain; MHC HLA-DR gamma chain; gamma chain of class II antigens; CD74 molecule

Gene ID

[972](#)

UniProt ID

[P04233](#)